# THE MICHIGAN FARMER.

# A WEEKLY JOURNAL OF AFFAIRS

# Relating to the Farm, the Garden, and the Household.

NEW SERIES.

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# The Michigan Farmer, R. F. JOHNSTONE, EDITOR.

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# The Farm.

# On the Structure and Properties of Wool.

The propriety of "crossing" considered, and practically demonstrated.

BY HENRY GOADBY, M. D., F. L. S. PROFESSOR OF VEGETABLE AND ANIMAL PHYSIOLOGY, AND ENTOMOLOGY, IN THE STATE AGRICULTURAL COLLEGE OF MICHIGAN, AUTHOR OF A TEXT BOOK OF VEGETABLE AND ANIMAL PHYSIOLOGY, ETC.

[Copyright secured Jan. 12, 1859.]

Concluded from page 57.

the Cashmere goat are the finest, and most the Cashmere goat are the nnest, and most beautiful in the world; but what can be done beautiful in the world; but what can be done former specimen, so that these hairs, micro-Thibet goat, still they are there, and of full So much has been said, and insisted upon with the common goat? The hairs of the scopically and otherwise, are totally distinct, former are fine, soft, flexible, elastic; the and present, there can be no doubt, a broad hairs of the latter coarse, rigid, inflexible; specific difference. The difficulties of conhow can such contrary elements be associated in the construction of a common tissue, without damage to it? The attempt to "improve" such a magnificent wool is simply superrogatory: no improvement is needed; every want is supplied; it is already perfect as it exists in nature. But if it be thought necessary to adulterate this wool, it might be done by a much more simple process-by adding any given per centage of the hairs of the common goat: under such circumstances they could not possibly be more distinct and separate than they are at present. The effect of such a proceeding, commercially, would be to damage the wool, and depreciate its value, as some manufacturers would have all the hairs of the common goat picked out -a labor that must be paid for.

indifferent to the high claims of such a wool as the Thibet goat produces, it would be better to export it; there are plenty of English manufacturers who would gladly pay a re-

teration be thought necessary, they could use diameter of these hairs, respectively, has that if the farmers and sheep breeders of this we have occasional instances to prove beyond American goat.

Thibet goat is given (fig. 40); in it the hairs been measured by the same instrument used throughout these examinations.



Fig. 40. The Wool of the Thibet goat bred pure

The wool of the half breed (half Cashmere, half common goat) is shown in figure 41; the most prominent and conspicuous part of itis a portion of the colossal hair of the common goat : this hair measures twelve squares of the micrometer,-besides it is so large that it has crowded out the hairs of the Thibet goat which lay beside it. They are not, however, all of this size, for, like all other hairs they are taper, and run to a point, and a narrow portion may be seen; the smallest of them measures about four squares; seven, eight, and nine squares are common, while not unfrequently they measure as much as the hair selected for representation. The specimen has been prepared in Canada balsam, rendered necessary by the superior density of the hair of the common goat; it is now so refractive that the cortical layer is plainly distinguishable, and also the peculiarly

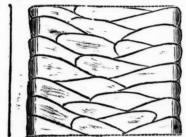
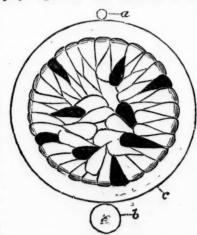


Fig. 41. The Wool of the half bred, in which the hair of the common goat predominates.

arranged medulla within it, which consists of cells filled with air, causing intense blackness; No. 4.—Undercoating of a grade kid. there is no cuticular layer to be seen. Beside it, and crossing beneath, are the hairs of highly refractive powers of the balsam, are The tissues manufactured from the wool of rendered transparent; no such medulla can with ease: No. 2 displays fewer hairs of the to incur the ill will of any one, especially the as follows:



If the manufacturers of this country are Fig. 42. A transverse section, of the hair of the common goat c, and the diameter of the smallest and larger samples of Thibet wool marked a and b, the whole exhibiting the conparative size of the two kinds

structing a tissue with any pretentions to munerative price for the pure staple—the fineness and beauty, out of such contrary neither are any of these extraordinary sam- any way. That good fat cattle, of a high impure, they might not care about, as the elements, has already been insisted upon, but mohair gambroons are made of a hair, finer another, and more convincing mode of exam-

than the common American goat, and if adul- ining this part of the subject remains. The from all these localities; hence it will appear market at as great a profit here as any where, a better material—the hairs of the English been given as they lie in a longitudinal direc- country will it, and persevere, there is noth- dispute. We wish to call the attention of our goat are considerably finer than those of the tion—we will see how they appear in ing to prevent them from raising wool that readers to a few facts in this connection. taansverse section. The following figures in extraordinary fineness, and thorough exof all sizes are faithfully represented, having letter a, indicates the smallest hair (one they abandon and forever all idea of "crossfrom such an association? It is hoped that whom it most concerns.

But another difficulty exists in regard to of the hair, and this not in every specimen- price. the rest of the hair is perfectly smooth. That in length.

The three-fourths breed, and seven-eighths no new features; the common goat is still instead of being straight, with parallel sides, mensions, this is not found in all the hairs, to those who cross their sheep! but where it exists, it is several times repeated in the same hair: this has never been seen in the hairs of the Thibet goat.

Since the foregoing was in type, four other specimens of goat's wool have been forwarded, accompanied by an urgent solicitation to examine them: they are as follows:

No. 1 .- 1 Cashmere, 1 common goat, one year old, first fleece.

No. 2 .- ? Cashmere, } common goat, one year old, first fleece, buck. No. 3.—Same animal, wool pulled, not cut.

No. 1 exhibits a more than usual proporwool could not withstand.

wool of pure blood. It is probable, that as the adapted for all other purposes, can be obcommon goat does not produce this layer, it tained from Messrs. Powell & Leland, Seyhas no power to affect its integrity, and con- mour Place, Euston Square, London, for \$96, sequently is not represented in this particular and it is easily imported, and at small cost,

But the all important question "does wool Messrs. Edwards, Sanford & Co., of New deteriorate or improve in this country" remains York, and Cornhill, London. undetermined. Starting with the imported Saxony wool, figure 31, and comparing it with figures 33, 34, 36, 37, and 38, it will be seen that the worst of them is equal, and the majority superior to it. These wools in their

So, too, with the goats; left to themselves, they have no felting properties is apparent the quality is of the greatest excellence; but for him would be 700 lbs nett, when dressed, from the fact that they fall out of a sample of the desire to make money more rapidly, origi- would bring 10 cents in the same market, mixed wool containing them. How can a nates very clever inventions and contrivances, textile fabric be made with such a material? and by these, a very beautiful wool is not They may be woven into a tissue, but have no only spoilt, but rendered worthless for manu-the premium offered feeders to put their catinherent power to retain their position; then, facturing purposes. Had the Thibet goat the into market in good condition. To extoo, they are short, not exceeding two inches been kept pure, its wool must have commanded the very highest price.

The day is coming,-nay, it has arrived, the entire question must be subject to a great there, and hairs of twelve squares are found revulsion; for the first time, in all human as much in the seven-eighths, as in the half probability, the microscopo has been embreed. There appears to be only one point ployed in a series of long, laborious and caresometimes shrink to half their diameter, and wools will command a high price, coarser then gradually expand again to their full di- and pure wools scarcely, if any less; but woe

> country like this they will be seized upon with avidity, and rendered useful to the com-

The examination of such a vast number of specimens, obtained from so many sources, has necessarily made the author acquainted with the most reliable flocks, and most truthful men: to mention them by name, however, be invidious to the rest, and as the wools were tion of the hair of the common goat; if the procured by the editor of the MICHIGAN

size. No. 3, from the same individual, but in relation to the microscope, that a few parpulled in contradistinction to cutting, does ticulars in regard to it, especially as connected men appears as if pure Cashmero; still, the interesting. Common instruments, such as examination of the cut specimen proves that are sold by Opticians, at from \$20 to \$50, it is not all that are worth this estimated they are there, but being so much larger, are entirely useless. No less power can be rate to the butcher, because he may not have coarser, and stronger, they appear to have used to advantage, in the investigation of customers who will pay the extra price; but successfully resisted a pull, which the finer wools, that 500 diameters—the instrument employed throughout these examinations, rate cattle of this kind are known to be ripe, No. 4, the undercoating of a kid, is very cost \$350; but a microscope fully equal to beautiful, and in no respect differing from a the necessities of the wools, and admirably through the Transatlantic Express Company,

The Prices of Fat Cattle.

There are few opinions more stable or better settled than that our State produces beef of them came from the State of New York, one from Ohio, and two from Michigan; neither are any of these extraordinary samples, for on the contrary, many such can be found in the specimens sent for examination of the droves collected and sold under the name to join with the people of Y psilanti in holding a Fair at that place next tall. Meeting adjourned till the first Tuesday of Sept. next, at a place to be designated by the Secretary.

J. S. Tiberrs. Sec. Livenia, 14th, Feb. 1859. nativity cover a wide space of ground—two cattle of a very low order, and that most of exhibition in the county the present year; but

In the reports of the New York market, as But as these facts are best demonstrated by (fig. 42,) have not been made really from sec- cellence would be unequalled upon earth. given in the N. Y. Tribune, we find it stated examples, a figure of the wools of the pure tions of the Cashmere wool, but a section of To accomplish this degree of perfection, how- that "Isaac Bradley sold 34 Michigan oxen the hair of the common goat, has been made; ever, it is above all things necessary, that and steers, for Bailey, the drover, at 8 and 10 cents on their estimated weight." This estisquare), and b, the largest (two squares) of the ing; 'examples enough have been given to mated weight depends altogether upon the Thibet goat; c, a hair of twelve squares, of the show the damaging tendency of this insane condition of the animal; hence the seller common goat; the question is asked of the proceeding. What matters it that two loses in two ways if his cattle are in poor reader, what kind of tissue can possibly result or three stock breeders devote their best condition, for this estimate may be fixed at energies and their capital to preserve intact any ratio between 50 and 64 pounds to the this plan of illustration may satisfy those their breeds of sheep, when, whatever they 100 pounds of live weight, and the better the sell of their flocks, are doomed to be matched | condition of the animal, the higher the rate with other breeds, and the fine, pure wool of nett weight, and with the high proportion the common goat: does it possess imbricathey brought be subject to spoliation, and of nett weight, the price also goes up in a like tions? For a long time, and under severe rendered comparatively worthless. In every measure, For instance, an animal that examination, the contrary appeared to be community thick, warm clothing is at least as weigh 1,200 pounds gross, and is such a mass the fact, but under the influence of caustic valuable as superfine broadcloth; no matter of bone and hide that his quarters will not soda, a few imbrications of large size, and how coarse the wool therefore, keep it pure yield more than 50 pounds of beef to the 100 very irregular, were discovered near the point and it will always command a remunerative of live weight, or 600 pounds estimate, will only bring 8 cents per pound, whilst the same animal, if in condition so that the estimate making a difference of \$22 to the seller .-Our readers will see, therefore, how great is hibit this more fully, we will again have recourse to another stament of the same report. L. Beers sold two pairs of the old red oxon breed, are not illustrated because they offer that must revolutionize the wool trade, and of Connecticut; one pair were bred by Robert Clark, of Woodbridge, Connecticut, and the other by Wm. A. Clark, of the same place. The first pair were six years old, and weighed alive 4,900 lbs and sold for \$400, or nearly of difference in the seven-eighths as compared | ful investigations, which have developed | 82 cents per pound gross. The price, estiwith the other cross breeds, and this is, that facts that no one could have foreseen; from mating these cattle to give 62 pounds to the the nearer the approximation to purity the this time forth, whether wool be submitted 100 lbs cross, would be just about 131 cents fewer are the hairs of the common goat, but for adjudication at a State fair, or to a pur. pound. The other pair weighed 5,400 lbs, so long as they can be found, they exist in chaser, it will have to be subjected to the and were sold for \$460, or the same rate, their full integrity. One curious fact remains crushing ordeal of a MICROSCOPE! In the nearly, estimated weight. The difference in to be mentioned: the common goat's hairs, future every parcel of wool will be assessed the estimate, therefore, and in the rate per at its exact value; in that day fine and pure pound, it will be seen, makes a double gain to the feeder.

In our own market, we have the sale last week of a pair of cattle to Mark Flanigan, It only requires that the foregoing facts be that weighed 4,532 pounds, and which bro't made sufficiently known, and in a practical actually over 6 cents per pound to the seller. We have also had a pair slaughtered by Wm. Smith, the butcher, which were bred by a farmer of Dearborn, that were six years old. These cattle weighed alive 4,980 pounds, and when dressed the weight of beef was 2,800 lbs, showing a return of 56, pounds of beef for 100 lbs of live weight. The rough tallow weighed 520 pounds; the hides weighed 255 notwithstanding the great pleasure it would pounds. The beef when dressed was worth afford him so to do in relation to some, would on an average 12 cents per pound, the tallow sold at 71 cents, and the hides at 7 cents. The offal paid the expense of killing and the sire (the Thibet goat), which, by the specimen be shaken, they fall out, and are always so prominent they can be picked out other interests in the matter, he feels unwilling sult was a return for the first cost of the cat-

2800 lbs of beef, at 12½ cents per Ib		00
First cost of the cattle	\$466 800	
Balance for labor of cutting up and selling off, and wastage		55

This it is recollected is premium beef, and it is a well known fact, that whenever first

there is no difficulty in getting a purchaser. Will our Michigan farmers take a hint from these facts, or will they continue to send into market only "scallawags!

# The Wayne Co. Agrl. Society.

The Wayne Co., Agricultural Society, it will be seen by the following letter from the Secretary, has made arrangements to unite with the people of Ypsilanti for the present season in holding an annual fair:

R. F. JOHNSTONE: Dear Sir; -At an adjourned meeting of the Wayne Co. Agricul-tural Society, held at Plymouth on the 10th, inst; it was deemed inexpedient to hold an

#### Cattle-a Beef Breed and a Milch Breed combined.

A race of cattle that shall be good fatteners, quick and profitable feeders, the cows yielding a large quantity of rich milk, and when desired fattening rapidly and profitably, would be a great acquisition to any country. I do not mean, a breed in which both qualities shall be combined in action, during the same period of time. This would be asking too much, and, perhaps, not desirable if attainable. Is there such a breed as I have described? Can there be one produced, either by crossing, or by cultivating both qualities in some bres already established?

A the present day, we are told, by almost every agricultural writer and journal, that no race possesses both of these qualities in any considerable degree, and that the better they are in one capacity, the poorer will they be found in the other; and are lead to believe that it is impossible to find, produce, or so cultivate a race that it shall be good in both capacities; and that, if we attempt to improve the same race in both qualities, we shall obtain a set of animals of very moderate capacity in both respects, but without any great excellence in either.

A modern author, in his work on cattle, argues that nature has provided different races, or at least, different qualifications in the several races, adapting the secretions, tendencies, and qualifications of them, to the one, or to the other of these objects; that for each purpose, these secretions and tendencies are entirely different; that the physical organization, and that even the outward conformation of the very frame of the animals, are different, and such that they can not be conjoined without injury to the animal, not for one purpose only, but in both capacities: asserting that the organization that will give the most and best milk, is exactly opposite to that which will give the most and best beef. If this theory is correct, the question is settled. There is no appeal from nature's laws: and we shall be obliged to cultivate one race for beef, another for the dairy, and probably, still another for work: one man must be exclusively a beef producer, another a butter producer, and so on to the end of the chapter; each requiring a different breed which he must rear for his specific business

But is this theory correct? I, for one, must dissent. I do not believe it. And I think the facts are mostly on the other side of the question; that the secretions and tendencies, instead of being so very different, are with each other, only being, at most, incapable of acting in two spheres at the same time, yet capable of acting alternately in each; that they are also cultivable qualities which, in one race, may have been called into action in one channel, and neglected in the other, thus becoming partially fixed in that channel, but still capable of being brought into action in the other, and improved until of superior merit therein: while, if a set of animals were taken, and both qualities carefully cultivated in them, they would improve in both capacities, never becoming deficient in either. But I will dismiss theory—facts are what we want. Facts well authenticated, or derived from credible authority, are of more force than many theories, because the theories must themselves depend upon well authenticated facts for all their force.

Among our native cattle, many cows, superior for dairy purposes, when dried of their milk, will fatten more readily and profitably celled, if equalled, by any in the kingdom as than a majority of those which are less valu- a dairy breed; and their advocates claim that able as milkers. We have one race, closely they surpass even the Shorthorns for beef approximating to the characteristics of a purposes. Youatt says of this: that "he thorough-bred race,-the red cattle of New believes their fattening propensities have been England,—which are excellent in the dairy, exaggerated, but they will feed kindly and while for beef purposes they stand at the profitably, and their meat be good;" and that head of all our native races. Youatt, in his "they unite, perhaps, to a greater degree treatise on cattle, gives us many incidental than any other breed, the supposed incomfacts, from which we may determine how the patible properties of yielding a great deal of the subject farther, with regard to the intercase stands among the British races. He beef and milk." says: "A cross of the Sussex and Suffolk breeds, has been made, retaining, to a very one, and the disposition of the other, to give a considerable quantity of good milk:" of the for breeding, and it can not be denied that they are in fair condition even while milking;" that "no beasts, except their kindred, the Devons and Herefords, will thrive so speedily after being dried; the secretions being stopped, the Sussex cow will fatten even quicker ancient breed of the vale of Glamorgan were great aptitude to fatten:" of the Flintshires;

feeders:" of the Buchans; that "they are peculiar to that part of the country, and deservedly esteemed for their milking qualities, and the beef they produce;" that, " notwithtwelve to eighteen, and sometimes twentyprofit for fattening, we can partially judge when he tells us, that "that small district receives, annually, near three quarters of a million of dollars for cattle sold to the southern cattle drovers, of this breed alone." Here we have many cases in which both

qualities were, and are united, without appearing in the least degree incompatible. And if these qualities, when combined, can be indefinitely cultivated, without the improvement of the one counteracting the improvement of the other, then our position is established. To show that they have been thus conjointly cultivated and improved, a few more examples may be cited from Youatt's work. Of the old Arran breed, he says: "They yielded very little milk, although what they did give was good;" and in the property of fattening;-that "they were inferior, and used to be scarcely saleable to the southern drovers, at any price;" "but the cattle husbandry has of late improved, and the breed has essentially changed. Now they are gentle tempered, and kindly feeders; and the produce in milk has kept pace with the general improvement, and is excellent in quality." Of the Aberdeenshires: that they have im proved; "the present breed are heavier in carcass, give more milk, and yet, at the proper age, fatten as readily as the others;"-West Highlanders; that "not only on good pasture, but on that which is somewhat inferior, the breed has progressively improved, become nearly double its original weight, without growing above its keep; the cows have increased from six or eight quarts of milk per day to from twelve to fourteen quarts: of the Fifeshires; that "in no country is the character of the cattle more uniform; in few parts do they so decidedly unite the best qualities that cattle can possess; they fatten quickly and fill up well at all the choice points; are hardy, fleet, and travel well; are tame, docile, and excellent for work, whether on the plow or cart, and far from unprofitable in the dairy; a a good cow will yield from twenty to twentyeight quarts of milk per day, and from seven to nine pounds of butter, or ten to twelve of cheese per week, for some months after calving, and are in milk ten or eleven months after all, quite similar and quite compatible of the year." The Ayershires are another example in which the breed, originally, possessed neither qualification in a profitable degree, and in which both qualities have been simultaneously improved, until they are highly profitable in either respect. Mr. William Aiton, a reliable author, states that "they were mostly black, and called black cattle; had targe, high standing horns, hair coarse and standing up, their skin thick and adhering to the bones; the bones large and coarse; the bodies lank; and the cows giving but two, or at most three Scotch pints of milk per day;" that "he has been an eye witness to the change wrought in them, and is unable to account for it, otherwise than by better attention to crossing, rearing, and and feeding;" that "he has no doubt but a tinge of foreign blood may have come into their veins, but is confident that the principal

improvement has been better treatment." This breed, at the present day, are not ex-

Now, if we can have animals which shall combine both of these desirable qualities, fair degree, the fattening propensity of the it behooves breeders, particularly of the thorough bred races, to be on their guard the FARMER, that from the developments in Mundy, the Secretary of the Sumner Cashlest they lose to their herds the one or the your "wool examinations," "that I may, per-Sussex, that "the cows are principally kept other of these qualities. Many of them are pursuing a course calculated to diminish the of Merino sheep." I will now respectfully value of their cattle for practical results. submit for your scrutiny my reasons for not They are rearing, merely, a calf producing altering or changing my convictions. race, having in view the increase in numbers, the size, sleekness, and consequent saleableness, only. To such an extent has the degenthan the ox:" of the Glamorgans, that "the eracy been carried in some herds, particularly among the Shorthorns, that the milk giving good milkers, and fattened kindly:" of the capacity is almost extinguished; but as it is Montgomeries; that "the cattle of that part retained, in a good degree, in other herds, of the country,—vales of the Severn and which do not appear to be less worthy, in As large size as can be had without superin-Vyrnwy,—are not only fair milkers, but show consequence thereof, for beefing purposes, ducing coarseness; as good form as can be had grades will eventually be found worthless, or

ties of being excellent milkers and quick improving the dairy qualities, as well as the beef qualities of their stock. They should remember that the day will inevitably come when their respective breeds will be called upon to show, practically, their adaptation to standing their small size, they will yield from yielding actual profit in both capacities .-If they are deficient in both they are wortheight quarts of milk per day." And of their less. And if deficient in but one, they are worth only half so much as if they combined both qualities.

See to it breeders! that the results read improvement, and not degeneracy!

#### Hungarian Grass.

EDITOR MICHIGAN FARMER:-In reply to your inquiries, regarding Hungarian grass, or millet, I will answer that I have seed for sale at \$2.50 per bushel, delivered at the depot of the M. C. R. R.

One third of a bushel is an intermediate quantity required between thick and thin sowing, and will answer the purposes for which it is grown. Any soil suitable for oats, barley or corn, and prepared by the usual process of plowing and dragging previous to Silesian wool. There was a doctrine enunsowing, and dragging after with a light, fine drag, will be found good for this grass. As the stalk becomes less valuable for fodder, from the fact of its solidity, or woody fibre; hence a difficulty of masticating.

May to the 20th of June advantageously.-Frost destroys it at once; it grows rapid on the whole, and for all purposes, the first of equally valuable. June may be considered most suitable here. The time for cutting is when the joints look green and the stalk shows a tint of orange color; at this period it answers the purpose of seed and fodder most admirably. Like timothy grass, the seed matures in the pro- in breeding. I will, in passing, remark that cess of curing it, which requires about the same time that it does to cure clover hay .-The less it is handled the better, providing the American Spanish Merino have been subthe weather is favorable; you save more seed and incur less expense. From the swath, stituted the other variety of Merinoes have put it in cocks with the fork, the loss of seed and great weight will preclude the use of the rake; here it should remain until the practiced eye of one skilled in curing hay pronounces it suitable for the covor. The waste in stacking must be great unless properly thatched.

I have never tried it as green food. When compared with timothy, I think it fully equal, even though the seed is off, and far superior when it is left on, either for sheep or horses, for which animals it is best adapted. Sheep will strip off the leaves and heads, and horses will consume most of the balance, when it is fed in place of hay. When fed to them

when cured, and the seed too small for mastication, hence they seem to reject it. Last stated. season I procured and sowed one bushel the 21st day of June, on the Huron river flats, three and a half acres. The soil black sandy loam, prepared as for oats or corn; cut it the first of September, cured and hauled in the barn nine loads, the weather was highly favorable. I am much pleased with it, especially when a long and bleak winter stares one in the face (and there is no dodging here, for they will come), and a heavy stock of domestic animals to provide for.

Respectfully, yours, &c.,

JOHN STARKWEATHER. Ypsilanti. Feb. 22, 1859.

# Merino Sheep and Reasons for Crossing.

EDITOR MICHIGAN FARMER-Dear Sir:-I have been examining the new form of the MICHIGAN FARMER, and of course have not overlooked the statements of your wool "examinations." I think that you have carried nal structure of wool, than any I have chanced to peruse; you have established by ocular evidence, what, to me previously, was a supposition. You remark in a recent number of haps, change my mind on the cross-breeding

And I will now state that in breeding a first order of Merino sheep, that the "imbrication" of the wool is only an incidental quality, of many good qualities which make the whole, of a good Merino.

I will now enumerate what I consider essential qualities of a fine wool sheep, viz:-

entirely due to form, but this is not wholly true; the Saxon have lost much of their original hardiness by in-and-in breeding, but many of them have the most profitable form of any variety of the Merino; thickness of fleece; fineness; evenness of fibre of all parts of the fleece; length equal over all parts of the body, and style of wool, which properly includes crimp and brilliancy of wool; the crimp indispensable in felting, brilliancy necessary to give the best color; elasticity, another principal in felting and some other external evidences, such as mellowness and elasticity of skin, fineness of the bone, &c. It is hardly necessary to say, that you may find in some Saxony flocks, a sheep whose wool would make the "beau ideal" of what you seem to think the right kind of Merino sheep, but which would not possess another point of excellence. There is one more property of good wool, to which I have not adverted, and which I consider the most important quality, perhaps, of fine wool, so far at least as the wool grower is interested, to wit: softness, and this obtains in an eminent degree in the ciated in the MICHIGAN FARMER, on the subject of wool, which conflicts so positively with the soil approaches to a high state of fertility, all of my preconceived opinions of the value it will grow grass affording more seed, but of wool, that I will quote the remark "that any wool with the same number of imbrications is equally fine," "and of the same commercial value; (see Mich. Farmer, April No., The seed may be sown from the 20th of 1858.) This would make the Leicester wool (although from twenty to twenty-five times

> My reasons for cross-breeding, besides those enumerated, I have not time at present to give. I do not consider crossing valuable per se, but only as it allows a wider range for selection, and obviates the danger of in-andso far as Merinoes are concerned, there never was a system of greater jumble crossing than jected to; all of the flocks that have conbeen tumbled in a mass promiscuously, without apparent thought or consideration.

I send you a few samples of Silesian and French wool, which I would be pleased to have you compare with full blood French or Spanish, according to the approved tests of the experienced buyer.

Respectfully, &c., N. S. SCHUYLER. Birmingham, Mich., 1859.

[Mr. Schuyler, in the above remarks, seems to ignore the fact, that the examinations reported in the FARMER were of wool of different qualities and kinds, not of sheep. No such examinations have ever before been entire they do better than when fed oats in made, and he will see by the further perusal that when the same examinations of the hair I cannot recommend it for cattle, unless it of the goat were made, the effects of crossing, be for soiling them: the stalk is too rigid on the productions of the skin were analogous, and bore out the correctness of the facts

> The inference drawn by the quotations from the FARMER, are exaggerated as we think, and therefore we give the exact quotation referred to, which is as follows; and it will be seen that the distinction is made between the real and apparent fineness of wools of the same breed:

> "All the wools with 150 to the inch, are really fine, although one specimen (taken from a sample furnished by Mr. Peckham of Parma) was almost one third finer than the rest, yet, for all practical purposes, it follows that, any wool with the same number of imbrications

> is equally fine.
> "The wool of Mr. Scuyler's Spanish ewe, is worth (commercially) exactly the same price as Mr. Peckham's apparently finer Spanish wool, for the real fineness must necessarily depend upon the number of imbrinated scales in a given space."

# Cashmere half-breed Goats.

There is at present a very great trade going on at the south in the Cashmere Goat speculations we say "speculation," for it does not seem to have as yet resulted in a healthy commercial demand for manufacturing purposes. The Nashville Union informs us that W. S. mere company, has recently reported to the Stockholders that nearly thirty thousand dollars worth of Cashmere Goats have been sold from their flocks during the past season, without disposing of a single pure blood, the sales being made from grade males. "Sixteen thousand dollars worth of which have gone to the State of Kentucky, and common goats have there risen to the value of ten dollars per head, with a brisk demand.

We think this operation as a mode of selling high priced common goats may be profithat "they appear to mingle the rare quali- others, should awaken to the importance of stitution—this by many is supposed to be with the Thibet or Cashmere, yields an anispring, or soon after frost is cut of the ground,

mal with a fleece that is not a hybrid production. The hairs of the common goat which are worthless for textile fabrics, never acquire the felting quality of the Cashmeres, and whilst as a matter of course the crossing of the common goat with the male of the Thibet gives an animal that yields a fleece which may in greater or less proportions contain the fine Thibet wool, that wool is so mixed up with large horny, smooth and coarse hairs of the common goat, not at all modified in structure, with no modification of their nature, that the whole clip must be almost worthless as an article for manufacture. In fact so smooth are the hairs thus mingled with the Thibet wool, that they can be pulled out, or they will even fall out by their own weight. They can not be woven into cloth, as they lack all felting properties. That the Thibet or Cashmere goat is an animal of high value, we most cheerfully concede, and every attempt to propagate it should be encouraged, bu this wholesale deterioration, must be speedly followed in the course of a few years by a complete loss of all the valuable characteristics of the pure blood, and more especially will this be this case, if as is stated above, the breeders are not even using pure bred males, but are breeding from grade bucks, thus hastening the depreciation of the flocks as fast as possible, and pursuing a course which must practically affect and depreciate the national character of the whole of the stock, no matter in whose hands they may be. For a cofirmation of this opinion, we refer not only to the principles of breeding which govern in propagating crosses of all other animals, but the matter of some others) equally fine and also more particularly to the examination of the wools of the pure blood and grades which have appeared in the MICHIGAN FARMER, and are illustrated so that he that "runs may read," and understand the fault that has been com. mitted in thus attempting to cross two separate and distinct species of the goat.

### FARM MISCELLANEA.

This variety appears to be a new candidate for favor, and seems to have much of the Shanghai nature in its composition so far. The person who has it for sale, states that it can be had in bags at three dollars per bag, each bag containing sixteen pounds. It is stated also that this grass will produce at the rate of eight tons of dry hay per acre, of a quality superior to the best Timothy. Now all this we don't dispute, it may be all true. This wonderful production that no one either in Europe or America has ever heard of before, and which the sharpest discoverers in the old world have as yet been unable to see the merits of, although each bag of seed is "stamped with the Hungarian coat of arms," may grow hay that in size and denseness would rival a cane brake in a Southern swamp. It may enable a farmer who has long been looking out for the Philosopher's Stone or the long lost seal of Solomon, to feed a whole flock of sheep on nothing beyond one acre, and then be able to shear ten pounds of wool worth fifty cents a pound from six month's lambs, but we don't believe it will. When you send your three dollars for this fancy grass recollect the summer is coming, and you must "beware of mad dogs."

A very good notion.

The Niles Inquirer states that the means of the Berrien County Agricultural Society being somewhat limited, a number of the ladies and gentlemen of Niles and other places in the county have offered to give special premiums, on such productions as they may

"For instance, Mr. A. wishes to encourage the production of fine horses, he offers a premium of \$5, or \$10, (to be known as her, or his special premium,) for the best horse. Mr. B wishing to improve the quality of the bread for the use of the present or future generations, gives a like premium for the production of the best bread, the product of a young lady of the county not over a certain age. Mrs. C being desirous of encouraging the fine arts, tenders a premium for the best painting in water colors. Mr. D for the best model of some agricultural implement and so on."

This is a good plan and shows the citizens understand how to make their society useful and profitable. We have heard several suggestions of the same kind in reference to thus aiding the efforts of the State Society, but as yet nothing has been done. This system is very prevalent in the New England States. When should ashes be sown on wheat?

Such is the question of a correspondent and he also asks if leached or unleached ashes are the best. The effect of ashes is to enable the plant to procure more food from the soil, and especially matter that will aid to build up a strong straw. With a strong straw, it is evident there are strong roots, and consequently more leaves, and a better matured grain. The leached ashes do not contain the same amount of the alkali that gives the manure its decomposing power, hence, whilst they act on the vegetation, their action is only partial, when compared with unleached ashes. The right we think it high time that breeders, and all and have essentially Merino form; good connearly so. The crossing of the common goat is shortly after vegetation has started in the

# The Garden & Orchard.

#### Dwarf Pears.

CAUSES OF FAILURE—ELEMENTS OF SUCCESS.

The more recent controversy on this subexperience in the planting, management, renewing, and final destruction of an orchard river; ending with the conclusion that "dwarfs are a humbug," and averring that the chief crop they produce is what is pocketed by nurserymen. Mr. A. also stated that fortunate experimentors all joined in his conclusions, excepting one or two, who, from "natural obstinacy," still refuse to concede the

in the first place, composed of "cullings," which Mr. A. had purchased at a bargain; pressly to make discoveries, speaks of seeing patches of sedge, or marsh grass growing about

Mr. A. states that, finally, the remaining trees were girdled by mice, and thus the experiment came to a close. This conclusion of the matter is a very suspicious circumstance, and seems to give, at least, a color of plausibility to the various charges of mismanagement, as the destruction of trees by mice, on well tilled ground, is, to say the least, a very

Among the combatants who have appeared in this controversy, is one who claimed to be the person singled out as "naturally obsti-Mr. A. a portion of the "cullings" from sider it of very doubtful utility. which the orchard in question was planted, which were set out and carefully nursed, but in vain: and he was finally obliged to discard them, and supply their places with others, which have now grown to be fine, large and to a great extent, by our peculiar geographi-

out of the question, the contest has been the "Thus far, and no farther;" our next altermeans of drawing out a large amount of native, is to set up barriers, as best we may, really valuable information upon the general subject of dwarf pear culture, from the most reliable sources. Indeed, it is only during the last four or five years, that the general of our grounds, but not near enough to shade public have become possessed of any reliable information upon the subject.

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to have been first started by Col. Wilder, in his reply to Mr. Stoms, spoken of in a preters, may be the result of a failure to do this, as with the former practice of planting all varieties, indiscriminately, upon the quince, they would be unable to root from the pear, as the quince failed to supply the necessary pabulum. Having learned so much, however, this need be no longer a difficulty.

By some growers, the multitudinous fibrous least to some extent, annually renewed; and, prevention. The ground, if at all retentive, far more difficult to manage and more uncertain manure must be obvious. It will be espe cially observable that, when quince-rooted pear trees once become stunted, or checked in growth, it is very difficult to renew their health and vigor.

A fruitful source of difficulty, with many, is doubtless a lack of courage to use the knife thoroughly. The purchaser receives his trees -perhaps yearlings-with straight upright shoots of three, or perhaps six feet in height. According to directions, these should be cut back to within a few inches of the ground, after planting; but this looks too much like spoiling them, and accordingly they are left in their natural state. The consequence is, that they throw out a few feeble branches. or spurs, and very possibly make all the growth at or near the top. Thus a head is commenced, at a height too great for even a standard tree; and as it increases in size, the high winds act upon it so effectually, that the slender quince roots are loosened in the soil, and a funnel shaped cavity is formed about the base, in which the rains of autumn and winter accumulate, and the tree is, very possibly, winter-killed, or turned out by the roots, during the high winds of spring; or, should it escape such a catastrophe, it can

hardly fail to sustain a shock sufficient to en- first distributed the seeds of this noted squash, by the gardener to Lord Chesham, "one of the gender disease, from which, such malformation, it will scarcely be able to recover.

Another fruitful source of failure, is a lack been more prevalent that a tree can, and all the additional wants occasioned by the of dwarfs, upon Grand Island, in Niagara dissimilarity of stocks. It is a dictate of sound policy, as far as possible, to make up aquash," says this writer, "is its strong individufor lack of ability to reach laterally, by deepening and enriching, in such a manner as to attract them downwards, as far as they similar results had followed nearly every trial are disposed to travel in that direction; care of this kind about Buffalo; and that the un- being had at the same time, that all superabundant moisture is enabled to pass freely away from the subsoil.

We are subject to occasional visitations of great heat, and extreme drouth, from which This article, written with a vigor and quince-rooted trees are very liable to suffer, raciness peculiar to the author, attracted unless by deep tillage the roots are attracted much attention, and drew out a host of oppo- downward, out of the way of its effects. nents; among whom it has been asserted A mulch of coarse manure will doubtless do that the unfortunate orchard in question was, much to secure the same results, if properly applied and carefully watched. It is, however, liable to serious objections. If applied and that they were planted in level, clayey, early, it keeps the soil compact, damp and undrained meadow land: and one respondent, cold, and is in the way of cultivation, without who claims to have visited the orchard ex- which the soil cannot be kept mellow, so as Moyamensing at present are the only kinds really to freely admit the aeration of the surface above the roots. It may, perhaps, be applied with advantage later in the season, having not bad); Buffum, handsome, but dry and poor first given the soil a thorough stirring where Swan's Orange, very large, of a fine yellow, but it is to be placed. Even then, however, it always sour ; Lawrence, bright yellow, but no flawill need close watching to prevent harboring mice, which, if a drought intervenes, sometimes commence their depredations as early as

Heretofore, mulching has been the hobby of horticulturists generally, and the writer had felt ob'iged to "take it upon trust," but his experience, and that of some of his neighbors, has been unfavorable, and it is also corroborated by the recent action of the Amerinate," and who asserts that he obtained from can Pomological Society, who seem to con-

Another cause of failure, and one perhaps, in some cases, the parent of difficulties charged upon other causes, is the need of protection against the high winds, occasioned, Leaving the merits of this case of Mr. A.'s the fountain head, and say to the winds, and the old Crassane, generally a fine pear from and endeavor to temper it to the weakness of our pets. This we may often do by leaving a strip of woodland along the exposed sides or otherwise injure the trees, or in the absence of this, to plant a cordon of rapid growing The fact that it is necessary to set dwarfs | trees, intermingled with evergreens if possible. with the point of union with the quince quite At the same time, it is well to remember that below the surface of the ground, is believed prevention is better than cure; and if dwarfs are cut back at planting to within eight or ten inches of the ground, and so managed as trees they offer for sale, where the graft is inserted vious article; and, doubtless, a large propor- to secure a well spread base, they will be on the entire stock. tion of the unfavorable experience of plan- comparatively safe from injury from this

The last, but, perhaps, not the least of the causes of failure, in our climate, is the liability to late fall growth, in some seasons, leaving the wood to enter upon the winter with its vessels loaded with moisture, the freezing of which, in this condition, often results in serious, if not fatal injury to the trees. The roots of the quince are believed to be, at only way to reach this difficulty is by way of as their range is comparatively limited, the must be underdrained, so that all superabunnecessity of constant and copious supplies of dant moisture may pass off free. The manures should be applied in the fall, so that their effect may be produced as early in the succeed- planted and flowered finely. ing season as possible, and thus secure the early maturity, and perfect ripening of the August, they should be stopped at once, by pinching, in order to leave time for the hardening of the wood.

T. T. LYON. Plymouth, Feb. 14th, 1859.

# HORTICULTURAL NOTES.

Plums on Peach Stocks.

E. W., a correspondent of the Boston Cultivator, writes that on calling at the nursery of a Mr. Allen of Walpole, he noticed several plum trees near the house, of some twenty year's growth, as well as some of a lesser growth, all of which were free from warty excrescences. On asking for the reason, Mr. Allen informed him that he imputed it altogether to his plum trees being grown on peach bottoms. Plum trees on their own roots in the immediate vicinity were covered with warts.

# The Hubbard Squash.

The February number of Hovey's Magazine con tains a history of the Hubbard Squash in which the writer, Jas. H. Gregory of Marblehead, Mass. confirms all that we published a short time since from the pen of Prof. Holmes of Lansing on the same subject. Mr. Gregory is the gentleman who

which he says was introduced into Marblehead, forty years ago, by a countryman, who brought it to a customer he was then supplying with vegetables, as a present, "assuring her it was not a poiof thoroughness in the preparation of the sonous gourd, and adding that if she did not find it soil. In no country, perhaps, has the idea fit for the table, it could be given to the hogs. The seeds of this squash were given to a widow lady, a at high rates as choice varieties. Turner's Scarlet great enthusiast in gardening, to whom its cultivamust take care of itself; and few, perhaps, tion appears to have been confined for upwards of ject was opened by an article from the pen of Mr. Afen, of Black Rock, who detailed his this subject, fully appreciate the degree of brought to the notice of the writer by a washerof thoroughness necessary to compensate for woman named Mrs. Hubbard, after whom he named it, as up to that time it had been without a The Richmond Dwarf Late White Brocoli, the hardi-

"One of the best characteristics of the Hubbard ality. With whatever variety it may be crossed it will still retain many of its excellent characteristics: and a careful isolated cultivation fr three successive years will nearly obliterate all crosses." they will become universal favorites. A new In addition to this information, the writer relates that off a scant half acre one cultivator raised 5100 pounds and another from an acre 15,136 pounds, or seven tons and a half. This squash would evidently make fine feed for milch stock, as it keeps so well through the winter.

#### American Fruits in England.

Mr. Rivers, the English Nurseryman writes to C. M. Hovey of Boston, relative to American fruits in England :

"The Melon apple does well here and is delicious; the Mother is also excellent; it ripened here in October, was oval, slightly ribbed, very melting, dark red all over and full of juice. I see it is called in your lists a November apple; mine came from Newburgh; is it right, think you?

It is strange to find that nearly all your native pears are worthless here. Seckel, Tyson and good; the Tyson is a most excellent summer pear, but the following were almost worthl as :- Blood good, Brandywine, Kensessing, (very sweet and vor; Sheldon, very handsome, but worthless; Howell, the same; Oswego Incomparable, ditto, and two or three others not worth gathering. It is strange that so many of your native pears should be here so inferior, while we make the Seckel one of our standards of flavor ; it is also remarkable that we should give you one pear universally popular, (the Bartlett) and that in like manner you should have given us one, the Seckel.

Your peaches, except most of the yellow-fleshed, are excellent here. Crawford's Early is, however, very fine; and a late sort, called Poole's late yellow, which I received from Downing some years ago, beat the Salway at one of the meetings of the Horticultural Society's Committee, much to their surprise, for they did not know of any late peach but the Salway. Your plums are as fine or finer here than with you, and your apples in the warm districts are some of them most delicious; but the pears will not come out : why is this? I begin now to think that, of all fruits, pears are the most capricious; at our last show, some of the best cal position. Inasmuch as we cannot go to known fine kinds have been inferior in flavor; our walls, was really nasty, yet we never had a finer season.

Root Grafting.

The Cincinnati Horticultural Society at its last meeting discussed the subject of root grafting. F. G. Carey, Messrs. Howarth and Addis, denounced the practice in strong terms, whilst some of the members took the other side, and Mr. Heaver offered a resolution recommending root grafting as "one of the best, if not the very best modes of propagating apple trees." But the Society declined to adopt this resolution, and resolved that in its opinion, the practice is neither to be denounced nor recommended, and recommended to all nurse rymen "the propriety of grooving a portion of he

Japan Lilies.

C. M. Hovey, Esq., in his Horticultural Maga-zine, thus writes of the Japan Lilies, in the cultivation of which he has had great experience :

"Our experience in their culture for many years has shown that no bulb or plant will bear rougher treatment or more neglect than the Japan lilies. They may be planted in the open ground in October, November, December, January, Febru ary, March, or even April, and yet bloom beautitifully. No other lily that we have tried will succeed with such treatment. The old white lily is to bloom. Two years ago we had three hundred bulbs left out of the ground accidentally, and after lying in a box under the stage of the greenhouse until the frost was

Possessing so many valuable qualities they should be found in every garden; standing they have been introduced into our colwood. Should growths, in any case, be con- lections more than a dozen years, they are yet tinued, or be renewed after the beginning of very little cultivated, and are indeed, generally been sought for so eagerly as other less beautifu! plants. This, however, is not so. It is true, that when first introduced to Great Britain, they were thought to be tender, and were exclusively grown in the greenhouse, where they form one of the most superb objects of summer decoraton, and where they should always find a prominent place. But they are quite hardy, as we have already

> "Their cultivation is very simple. They will, like other bulbs, grow in any ordinary soil, but to produce fine specimens, with twenty or more flowers on a single stem, requires a better prepared and more favorable compost. This may be readily done by removing a portion of the garden soil, and replacing the same with peat and sand, mixing the whole well together to the depth of eighteen inches or more. In such a soil they will thrive with vigor, and produce an abundance of

# New Seeds and Plants Advertized in

England.

Among the advertisements in the various foreign periodicals received at this office, we note the New Perennial Spinach, which is considered

most valuable additions to the kitchen garden that has been had for years," The Pampas Grass, is now advertized as an ornamental plant of exceeding beauty. Large roots of the Dioscorea are now offered at \$10 per 100. The Ash leaved Kidney and Early Lemon Kidney potatoes are offered Gem Melon is a new sort, which is certified to as being excellent for flavor, one of the best in cultivation. Seven prizes were awarded it at as many different shows last season. A new exotic fern, the Nephrodium Molle, is offered at only \$4 a plant. est in cultivation, and which produces fine heavy heads from the middle of May to the middle o June. Two new Chrysanthemums are offered for sale, viz : C: Tricolor Burredgenum and C. Tricolor Venustum. These are called hardy annuals. offered for the first time, with the prediction that Torenia, which "quite puts the old variety out of the field," is brought out this season. It is much praised by Dr. Lindley. The Salway Peach is a new late variety, considered an acquisition of great worth. The Callicarpa Purpurea is a fine winter plant for conservatories and greenhouses insignificant for its flowers, but beautiful for its innumerable rich purple berries, about the size of swan shot. The Champion Cabbage is recommended highly. The new Exselsior Pea is recommended as the very earliest and best wrinkled marrow pea grown earlier than either the Napoleon or Eugenie. The Lapstone Kidney potato is advertized as producing 600 bushels to the acre free from disease. The Imperial Kidney potato is advertized as the "best potato in the world." yield abundant, and size from two inches to nine in length. The New Zealand Runney Bean is a variety said to be found by a traveller in central New Zealand. The Champion of Scotland Pea is a new sort to be had only of the Lawsons, seedsmen to the Queen; and is called one of the most distinct and best flavored kinds known. The Dr. Livingstone Cucumber, a splendid black spine, from twenty-two to twenty-six inches in length, is highly recommended. The Queen of the West, and General Havelock Melons are new sorts that are now coming into the trade. Laungs Mammoth Rea Celery is a variety that is stated to be the largest yet known, attaining the extraordinary weight of en to twelve pounds. In flavor this variety is unsurpassed. The Roseberry Brussels Sprouts are regarded as a favorite winter and spring plant for early greens.

The Fremontia Californica.

This hardy ornamental plant was originally lescribed in the Smithsonian contributions, and in 1851 a solitary plant was raised in the garden of the London Horticultural Society, from a seed received from Mr. Robert Wrench. In April 1854 it produced flowers for the first time, says Dr. Lindley, as large as those of Trollius Asiaticus, brilliant yellow inside, apricot colored outside, with the addition of some cinnamon colored down: their substance was so thick, that each flower remained n perfection for some weeks. Since that time it has proved to be a beautiful hardy shrub, with a habit wholly unlike that of every hardy plant in cultivation, most resembling some of the Hibiscuser of Western Australia. The plant still remains at Chiswick Garden, the only one in Europe, as it has as yet resisted every attempt to propagate it.

It will be seen that, Messrs Fahnestock and Sons at Toledo offer for sale a large amount of trees and at Toledo oner for sale alarge amount of frees and stocks, and are ready to supply local nurseries. The Lawton Blackberry is offered for sale by Mr. C. Betts of St. Joseph county. Attention is also directed to the advertisements of the syracuse nurseries, and also to Ellwanger and Barry's Rochester nurseries at this season. The fruit interest is of a growing importance in this state, and can not be neglected. not be neglected.

# Evergreens-Time to Transplant.

A correspondent writes that he is about to procure during the season of early summer a number of young evergreens from the Lake 3. Superior country, and would like to know what is the best time to set them out, or whether they can be set out so that they will be sure to do well. The evergreen order of trees have a period of rest as well as the deciduous, and it is during this season of rest that the transplanting should be done. The season of rest for the evergreens extends rather farther into the spring, than the same season for other trees, and hence many have an idea that evergreens may be transplanted in summer just as well as at any other time; but this idea is incorrect. Again a great many trees of this kind are brought down from Lake Superior, with the idea that they will thrive if set out. Of some thousands that are seldom hear of any living beyond a year or rare. An impression has gained currency that two. There are exceptions, as a matter of they are not hardy, but require the protection of the greenhouse in winter, and hence they have not plantation of evergreens, we must have reresidence in a few years, with little risk of having to do the work over again every two or three years, with all disappointments usual in such cases. For instance, we would rather have fifteen or twenty, Norway Spruce from the nursery of Messrs Hubbard and Davi's, to set out the present spring, at any reasonable price, than have a hundred three or four feet pines and hemlocks from Lake Superior as a gift. At the end of five years, the with their beauty winter and summer, standing from fifteen or twenty feet in hight, whilst at the end of the same time the pines would probably be minus in number two-thirds or probably be minus in number two-thirds or one half, and their size in comparison would be much like that of Gulliver compared to Broddignag. Artificial successful plantations of evergreens, require to be made from trees artificially prepared for the purpose by cultivation, nurture, and exposure.

dy, and producing large white flowers of great beauty. This variety grows from two to six on a raceme, and are white or cream colored. There are now prop gated by the florists, several other varieties but they are not well established as known hardy sorts, which may be relied upon for ability to pass through severe winters with or without protection.

# Orchards and Crops on them.

"What shall I do with my orchard?" said friend the other day, "I planted it with corn last year, and I would like to plant it with the same crop again. The soil is light, being a loamy sand, not rich, but well manured, last year, and will be well manured this year. Shall I again plant it with corn?" Not if you have any regard for the growth of the trees. Two crops of corn in succession, even with manure, will make the orchard a corn field, and unfit to grow young trees. The very shade that the grown corn makes, if grown as corn should grow-quick, strong, and rampart-as well as the great power of its roots to absorb all matter from the soil fitted for i s own increase, renders corn a bad crop to put in an orchard, of either old or young trees. If the orchard must grow a crop, let it be a crop of roots of some kind. Potatoes, with a sufficient proximity to market, ought to pay the best on such a soil as that of this orchard. The land being all ready fit for early plowing, would require no more work to fit it for potatoes than for corn The hoeing and after culture would be about the same, and the yield of the corn, after leaving out the spaces occupied by the trees, would not average over thirty bushels per acre. We believe there are five acres in the orchard. On the contrary let us look at the cost and estimated income of the five acres of potatoes:

1st. There is the labor incident to planting:
Plowing eight inches deep five acres at \$1.25 per acre Cultivating once, for the potatoe likes a mellow, well worked bed.
Plowing the drills for marking.
50 bushels of potatoes for seed, at 75 cents....
Cutting the same, preparatory to planting....
Planting the same, being the work of two men and two boys for one day.
Top dressing each hill with plaster and ashes... Passing through the five acres with the hoe, weeding and hoeing when necessary....

3d. Labor incident to harvesting:
Digging, gathering, and putting in the ground or
in cellar is usually paid for by the bushel, and
not by the acre, but we may call it per acre \$8, 40 00

2 00

Total cost of seed and labor for 5 acres potatoes, \$111 75 th. Potatoes thus treated on well manured land, should yield at the rate of 150 bushels per acre, as a minimum crop, large and small, and which should yield at the rate of 150 bushels per acre, as a minimum crop, large and small, and which may be estimated as worth, nett, after paying the expense of marketing, 30 conts per bushel, for the whole five acres the yield would be ..... \$225 00

Now let us look at the cost of the corn crop, and its estimated yield, taking the minimum rate of produce as our guide.

1. The labor incident to planting would be nearly the same, with the exception of the seed.

2. The labor incident to cultivation would be nearly the same.

3. The labor incident to harvesting, including husking and cribbing, would be less than one half per acre the crop of potatoes would cost.

The cost of the corn crop may be, therefore, estimated as follows:

1. Planting and the work connected therewith, allowing \$2.00 for seed \$21 75 2. Cultivation of crop 15 00 3. Labor of harvesting, at the rate of \$8.50 \$\mathbb{R}\$ acre, 17 50

Total cost of corn crop, nearly \$11 per acre..\$54 25 The estimated crop is put at the rate of \$0 bushels of cars, or 40 bushels of corn per acre; the average is less, but the average cultivation is not so good as specified; estimating the corn at the average rate of 50 cents per bushel, the produce of the crop would be \$1.50 bushels, the produce of the grain crop; there comes off each acre a ton or more fodder, which for feed and manure may be valued at \$6 per acre. -- \$100 00

The total crop of corn, therefore, when estimated moderately, should yield in the whole, in money value \$130.00 At a cost of 54.25

Leaving a nett profit for use of land of ......... \$75 75 In putting the crop of potatoes at 150 ushels, it may be that crop is underrated, but so is the corn, and it must also be recollected that it has been estimated that the annually sent down, sometimes in tubs, sometimes with balls of earth around them, we manure per acre, where they are grown thoroughly. We would also note that in course to the nursery, where trees can be had with roots fitted for transplanting, and of size sufficient to form an ornament worthy of any be put on it, the crop of notatoes would thus be be put on it, the crop of potatoes would thus be increased in size and quality, and quantity, fully enough to pay for the cost the first year, and the trees of the orchard would also be rendered much more healthy.

The Spireas for the garden.
To those who are preparing to add to their colwilhout. There are the Spirea prunifolia, Spirea Norway Spruces if set out with care would be magnificent living ornaments, blessing the eye ular characters, rendering them worthy of cultivation. To these has been added now the Spirea grandiflora, which has been proved perfectly hardy, and producing large white flowers of great

# FOREIGN AGRICULTURE.

Pliny's Tuscan Villa.

BY WILSON FLAGG.

Roman garden is contained in a letter of Pli- ground, affording a prospect of the vineyards, abridged from his letter. The house was built was a large dining-room, exposed to the at the foot of a hill, but open to a prospect healthful breezes from the Appenine mounof the country below it. The ascent was so tains; in the rear, from the windows, we had gradual that the visitor, amused with the a view of the vineyards, through the gallery. scenes by the way, arrived to the top before The gallery was terminated by a bed chamhe began to perceive his upward progress .- ber, affording a diversified prospect. Be-Behind it lay the Appenine mountains, from neath this was another gallery that resembled which, in the serenest weather, proceeded a a subterranean passage, perfectly cool in sumcool, refreshing breeze, never too violent or mer in consequence of the exclusion of the cold, but moderated by the distance of its outer air. The dining-room conducted at journey.

south and was warmed by the sun all the af- sun the rest of the day. Several other apart- the City of Monroe and the other two-thirds ternoon, having the most of this advantage ments were contiguous to this. in the winter. In its front was a portico of considerable size, but proportioned to the parts of the house that all was delightful, under a fair state of cultivation; and three house and containing several apartments, the though greatly surpassed by the beauty of of the seventy acres are planted in a Nursery court being laid out after the manner of the the circus, or horse course, which was an of about 60,000 grafted fruit trees. Fifteen ancients. In front of this porch was a terrace open area presenting its whole expanse at acres of said farm is covered with good thriornamented with several figures, and bordered with box. Below this we descended into surrounded by plane trees covered with ivy, ty-seven acres I am and have been cultivaa gravel walk, and as we passed along our so as to exhibit their own beautiful heads of ting and using for all crops which I think eyes were greeted by the figures of different animals carved in box. An acanthus stood the ivy below. This ran luxuriantly over the had nothing to sell, as I was employed in oththe acanthus, bordered by an evergreen hedge, which was also cut into a variety of shapes, and the whole was fenced by a hedge of lau-Opposite this was a sort of a circus, for ta- rel so high as to afford an excellent shade. king the air on horseback, passing round the This straight boundary changed its figure, at attention more exclusively to farming: I cut box hedge, variously carved, and a row of the end of the horse course, into a semi-cir- three ditches through the farm, and two temtrees that were kept down by the shears .-The whole was surrounded by a wall, completely covered with box, so that no part of rels. Among the numerous circles the init was exposed. Outside of it was a beauti- nermost enjoyed the greatest amount of day- done on the farm for sometime; for now I family. ful green lawn, unsurpassed by anything yet light, and these were filled with roses, making seen. Still farther, the prospect terminated both the sun and the shade more cheerful and in green meadows and groups of wood and delightful. shrubbery. At the extreme end of the portico was a large dining room, from the doors race, and from the windows you could obtain country.

Nearly opposite the centre of the portico stood a summer house, surrounding a small court and shaded by four plane trees. In the midst was a marble fountain sending its gentle spray upon the roots of the trees and upon the grass round about them. In the summer-house was a bed chamber, from which all light and sounds were excluded, and near it a room for supper or social meeting of a few gracefully waving and bending under the est places with the plow and ditching plow, friends. This court was overlooked by another portico, enjoying a prospect like that from the last. Another bed chamber was shaded by an adjoining plane tree. Here it marble was surmounted with a vine support- rolled it again and after the first heavy rain may be remarked that the oriental plane was ed by four pillars of Carystian marble, for- I helped all places with the shovel where the a favorite shade-tree among the Romans, and ming a pleasant arbor. Several pipes issu- drains were not deep enough; and in half there was hardly a villa that was not adorned by several of these trees. The outside as if they were forced cut by the weight of all be gone, a circumstance hardly anticipaof the last mentioned bed chamber was adorn- the persons reclining upon it. The water fell ted by many well acquainted with the nature ed with carved work in marble; above was a first into a stone cistern, thence into a marpainting of trees with birds perched among ble basin, which, by subterranean sources, was again. Judging from the wheat standing bethe branches; below was a small fountain, kept always full. but without overflowing. from which the water flowed through several sound of rippling.

bed chamber opposite the dining-room, with the border of the basin, while the secondary worth \$1.00 per bushel (it is worth now much windows overlooking both the terrace and articles were made to float about in the water the meadows, and in front of it a sheet of in dishes resembling little birds and boats.as it fell from a considerable height into a marble cistern, breaking into foam. Adjoin This room was decorated with marble, and and when the land is ready to be seeded down ing the chamber was a stove which supplied the projecting doors were entwined with green to grass, the water will pass away leaving cold water, to temper the warm water of the Above the dressing room was a tennis-court, adapted to several kinds of exercise and amusement, by containing within it several

entrance of which were three apartments; the four plane trees; a second overlooking ground. the meadow, and the third gave you a view

constituted the front.

In the southern part of the house was a One of the best descriptions extant of a covered gallery, raised considerably above the one end into an open portico, which was sha-The greater part of the house faced the ded in the forenoon, and was exposed to the

and making a gloomier shade than the lau-

you arrived at a straight walk, which divided ket. of which you could see the end of the ter- into several others, exhibiting in some places green grass plats, in others box trees variousa prospect of fields and a wide range of ly carved into sculptured figures, some of and a little timothy on the field before I ble sculpture, and various names.

At the opposite end a couch made of white ing from this couch sent out streams of water, a day after the heaviest rains the water would

One of the most remarkable of the conceits pipes into a basin, making a very pleasant of this extraordinary place was the one next acre, but it was much down, and yielded only mentioned. When the proprietor supped eighty and a half bushels of good plump In one corner of the portice was a large here the substantial dishes were placed upon wheat from the whole field which was then water, delighting both the ear and the eye Opposite the marble couch was a bed chamber, equalling it in beauty and ornament the heat of the sun in chill and cloudy weath- plants. The windows above and below were only what is needed for the crop till it is er; thence you passed through a dressing. trellised in the same manner. Here was a plowed again, and will not scald the grain or room into a cold bath room, provided with a bed, admitting the light darkly through a grass in summer nor heave them out in the convenient bathing cistern. If this were not luxuriant vine that covered the whole build- winter, thus giving a full crop and bringing large enough for your accommodation, there ing up to the very top. Here you might re- on the wheat early and more out of the danwas in the outer court a warm bathing-room cline as in a natural grove, while you were ger of weevil. I never burn any straw stack moderate temperature adjoining the cold seats, dispersed in convenient situations, for bath-room, but more exposed to the sun. the accommodation of those who were weary not go to town for a plug of tobacco, &c... with walking.

Near all these seats were also little fountown any time, I do not stay all day and tains, and in every part of the horse course have my horse or horses tied to a post bethe murinurs of the water, conveyed through At a short distance from the bath was a the various pipes, were heard with many destaircase leading into a close gallery, at the grees of loudness and murmuring. These streams were not wasted, but were made to one, overlooking the little court containing irrigate the plants in different parts of the

of several vineyards. Thus each had a diff-

this, which could be opened to the sun in conquerors of that age, who decked their garwinter. These, with one other apartment, dens and estates with the spoils of other na- ly described by you, Mr. Editor, a short time tions, and who were ambitious to exhibit the since. trophies of their adventures in combination For my part, I am satisfied that deep plow with the beauties of nature. Pliny, however, was not a warrior, but an advocate before top draining, in Monroe county at least, are ny the younger, in which he describes his and so situated as to make them appear in the courts of Rome, and a cultivator of let- the best for wheat and almost every thing Tuscan Villa. The following account is close vicinity to the place. In the centre ters. This voluptuous garden seems never to else you raise on a farm. have inspired him with the conception of any great work. He is known only as the author of familiar epistles and a fulsome panegyric on the Emperor Trajan .- Magazine of Horticulture.

#### HOME NOTES,

#### A Statement of what a Small Farm will Produce.

MR. EDITOR .- I own a small farm of 85 acres, one-third lying in the corporation of in the township of Monroe adjoining the city. Such was the arrangement of the different Seventy acres of said farm are cleared and once to the eyes of the visitor. This was ving timber; the whole farm is fenced. Sixfoliage above, and the borrowed verdure of will pay best. For the past several years I upon a level piece of ground, of a soft and trunks and lower branches, and joined them er business which absorbed most of my time. almost liquid texture. A walk surrounded by its network of vinery. The space between and did not devote the attention to the farm the trees on the ground was filled with box, I ought: hence it was out of repair. Moreover the land was wet and needed ditching.

About a year and a half ago I turned my was better paid than for anything else I had have something to sell. I never kept any account of what I raised until the year 1858. I will give a statement of the produce and At the end of all these circuitous paths its value at the time I had it ready for mar-

I sowed only three acres to winter wheat, of the Mediterranean kind. I had clover which formed the name of the proprietor, plowed it for the wheat. I pastured it in the and others that of his gardener. Vegetable spring of 1857, broke it up before harvest pyramids were intermixed with these figures, eight or ten inches deep, rolled it, put on a alternating with apple trees, and occasional- light coat of manure, then dragged it and ly, in the midst of a profusely dressed plat stirred it soon after harvest, and rolled and of ground, occurred a tract entirely wild, in dragged it again, and about the first of Sepa complete state of nature. The middle of tember sowed it to wheat, cultivated it in the area was shaded on each side by dwarf middling deep with a common corn cultivaplane trees, beyond which was an acanthus tor, then drawed drains through all the lowhand; then followed other pieces of vegeta- leading to the outlets or main ditches, but did not open the dead farrows, except on the east side of the drains with the shovel, then of the soil. Last spring I rolled the wheat fore harvest, my neighbors thought and said it would yield fifty bushels and over to the

when ready for market \$80.50. I put in all my spring crops in a similar av. according to the condition of the ground. more busy season comes on, so that I need every other day: and if I do have to go to fore the groceries as many of our Monroe county farmers do, (and some other county farmers too,) but go directly home to work when work ought to be done

sand. I think its quality medium with the

distant mountains. Another chamber joined have never been described, belonging to the cultivated, you will be in the predicament

ing, and early and deep sowing, and thorough

My crops and their value for 1858, were

follows:		
bushels	wheatat \$1.00 per bushel,	\$80.50
44	rve at 5s	6.88
6.4	spring wheat (not plump, and	
	weevil took one half	86.00
#1	oats at 8s 6d per bush,	14.44
46	corn in the ear, at 2s (besides	
	use for horse)	191.50
2	sweet potatoes at \$1.30 per bush	23.40
44	beans at \$1.00 per bush	1.50
46	potatoes, at 4s per bush	57.00
tons hay	(sold some out of field at \$4.50	
	\$6.00)	292.00
gallons	Chinese sugar cane syrup at 4s	43.50
bushels	timothy seed at \$1.75 per bu	2.63
1 "	clover seed at \$4.25 per bu	55.28
acre bro	om corn and seed	2.00
ot of pu	mpkins,	6.00
oads cor	n fodder, tops & blades at \$1.50	13.50
	ks,	2,50
Total	on farm,	829.13

Tomatoes sold and put up, \$6.50
6 bushels blood beets, at 4s \$3.00
225 quarts strawberries at 10c (used also in family) 22.50
2 barrels cucumber pickles at \$3.00 6.00
cabbage peas, beans and radishes, Total sold from garden, ..... 41.00 Total from farm and garden,..... \$860.63

FROM GARDEN

You see that the above is not over-valued. be perfected. have not kept an account of the cost and labor for this year. I have also pastured six cows for others and also eight head of my wn cattle, and five horses and three colts.-I have said nothing of the milk sold, or butcle, set round and shaded by cypress trees, porary ditches through my neighbor's farm ter, eggs, chickens, nor increase of cattle below me at my own expense; for which I and horses, &c., the aggregate of which was considerable, besides the articles used in the

I am now testing my Chinese sugar cane seed, by growing a little in the house. I test nearly all my seeds before I sow or plant, and as soon as I know the result of my cane seed I will make a statement of my experience in making the syrup, should the pracinsertion in your valuable sheet.

Yours truly. MICHAEL FISHBURN. Monroe, Feb. 19, 1859.

# A Horse of the right stamp.

getter, and which is at the Rawcliffe Breeding establishment in England. The other comments in the letter are instructive:

Countryman," in his instructive and interesting letter, observes, "Blood, if combined with power and action is the thing, but it is Liebig on the use of the Sewage of Cities. now almost impossible to obtain; and as men can't be jockey weights on the average, it is worth the trial if private individuals, or a company, would keep one or more stallions as high bred as possible, but whose chief recommendation should be to have power and action to carry 15st. across the country as safely as on the road. Why at Rawcliffe should not the attempt be made?" "North that has once seen the grand dark chesnuts, The reader will perceive that every part of disability of being wet in some parts. But sound and as fresh as when he first went into the unequalled Nancy, is still living, and as great truth .- Justus von Liebig. training. As a racehorse Pompey showed erent view and a particular aspect, looking to pasture which were introduced for the sake to yield good crops. If you do not feed and those good lasting "come again" qualities that three different points of the heavens. A bed of contrast, was in the highest style of art. curry a horse well, he will be boggy; or if so frequently enabled him to win when runchamber was constructed out of the upper All its objects were excessively ornate and you do not do justice to a cow she will not ning over a distance of ground, and I never end of the gallery, and gave one a view of expensive. Pliny's country seat was proba- yield profit on milk and will have the hollow heard of "roaring" or softness being attributely they can be found.

the race-course, of the vineyards and of the bly in the style of hundreds of others, which horn. So it is with your farm if not well ted to any of his get. In Pompey, breeders was got by Bustard, dam by Orville. Pompey was got by the best son of Orville, dam by Bustard, grandam by the sire of Orville.-P. S. Boston, Eng.

#### The Chufa.

A correspondent of the California Culturist writes that he has been cultivating the Chufa or earth almond for three years, and each year it has doubled its produce on the poorest kind of land. The writer asserts that from an acre of chufa grown on land that will not grow either corn or peas equal to an everage crop, more pork can be made than from two acres of good corn land. The chufa is first planted in drills and kept clean with the cultivator; after the first year the hogs are turned in and do the harvesting and enough remains in the ground to grow the next year's crop. Poultry are as fond of the chufa as hogs, and follow the swine very closely over their feeding ground.

Aun the ev J. C. in J. L. las R. R. file J. R. you

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How to measure corn in the ear.
Find the cubic inches in the bin, divide by 2815, the cubic inches in a heaped bushel, and take two-thirds of the quotient for the number of bushels of shelled corn. This is founded upon the rule giving three heaping half bushels of ears to make a bushel of grain.

The St. Clair Co. Agrl. Society.

A meeting of the St Clair Agricultural Society was held at St Clair city, on the 9th inst. After providing for a revision of the by-laws and premium list, the meeting was adjourned until the 4th of May next, when it is expected the arrangments for the year will

Chester Swine.

My observations and experiments with a pair of Chester pigs procured last spring, have satisfied me that their already great and rapidly increasing popularity is well deserved.

The Chester hog is the result of continued careful breeding, and judicious crossing in Chester County, Pa., for the last thirty-five or forty years. It is said that the first impulse to this improvement, was the importation of a pair of handsome hogs from China, some forty years since, by a sea-captain then residing in that vicinity. More lately, however, many breeders have been laboring to bring the Chester hog up to an acknowledged standard of excellence, to define its points, and make it ticality of this article compensate for what as distinctive in character, and as easily remay be wanting in rhetoric and classical cognized as a Berkshire or Suffolk. The genlearning, so that you should deem it fit for uine Chester is of a pure white, long body, and square built with small, fine bone, and

has short legs.

It is asserted by the closest observers among those who have tested the Chester hog, that it will produce a greater weight of pork for the amount of food consumed, than any We find in the New York Spirit the fol- other breed with which they have been comlowing description of the right kind of stock- pared. An important characteristic of the breed is, that it will readily fatten at any age. Many hogs it is well known, will not fatten well, till they have nearly or quite "Mr. Editor .- Your correspondent "North reached their full growth .- J. B. Knowlton, in Maine Farmer.

Professor Liebig recently wrote a letter to a friend in England which contains the following extract on an important subject, and which was sent to the London Times in which it was published:

"MUNICH JAN, 9. "Pray accept my best thanks for your continued interest in my lectures on theoretical and practical agriculture; they are being Countryman" must have forgotten that at translated by Dr. Blyth, of Cork, who has by Rawcliffe they have a horse in Augur that for this time nearly completed them. Since last muscular power and general symmetry of week I have been lecturing on sewage; and I frame is perhaps unequalled. Standing bare- am firmly of opinion that if England wishes to more.) Total value of the wheat at the price ly 15 hands 3 inches, he measures 6 feet 3 inches in girth, three inches more from the as manure the nightsoil and similar residues withers to the elbow than from the elbow to produced in large cities. This necessity the ground, with the thickest and biggest back would be increased in the event of a war with ever seen. As a race horse he exhibited a America, when the supplies of guano would very high form, never having suffered defeat cease. The price of corn depends upon that at two years old, and had he not met with an of guano, and it is most unnatural that, in a accident prior to the Derby, which interfered country like England, the production of corn with his preparation, he in all probability and meat should be so dependent on the supwould have been enrolled as a winner of that plies of foreign manure. The heads of even great race. The injudicious application of the most distinguished agriculturists have "Major's Remedy" ruined him for ever as a been turned by a theory propounded by Mr. race-horse, and in season 1855 he was sent into Lawes, viz., that nitrogen or ammonia are the with a basin adjoining a well which supplied secured from the rain. A fountain bubbled or anything else that will make manure, or Lincolnshire to serve farmers' mares. From most necessary ingredients in manure, and that up in this place and immediately disappeared. waste any of my leached ashes. I also buy the sample we have around Boston I am sure consequently solid excrements are valueless, bath. There was still another bath of a In various parts of the walks were marble a lot of tobacco, groceries, &c., before the every man who uses Augur must be benefite the urine alone being of use. These views exted. I have no interest in Augur, but who pose utter ignorance, and prove that in Engand leading agriculturists do not pay sufficient small to the eye, thick as hay-stacks, and attention to the fundamental principles of measuring 16 hands, with the power of wagon chemistry. It is difficult, nay, perhaps imposhorses, can forget such a sire. "North Coun- sible, at this moment to convince them of tryman" observes, "The old far-famed Orville their error. I have tried to do so in my Letblood, which for years shone in the front with ters on Chemistry I have just published, and Emilius, Muley, Muley Moloch, and others, is I shall feel most grateful to you, as well as to well nigh worn out-Theon, Dulcimer, The all who, like yourself, take an interest in the Little Known, and Drayton alone remain," welfare of their country, for any assistance My farm is principally clay, mixed with but I bog to inform him that Pompey, sire of that may be rendered me in propagating this

Every dealer in agricultural implements, every nurseryman, and all who have inventions and labor-saving machines for the farmer, should advertise and let the farmer know, through some agricultural paper, where

### NEW ADVERTISEMENTS.

A. FAHNESTOCK & Sons, Toledo, Lawton Blackberries. DAINES, Birmingham, .... Drain Tile Machine, JOHN DAINES, Birmingham, ... Drain The Machine, H. D. EMERY & Co., Chicago, .. Seeds and Implements CHAS. BETTS, Burr Oak, ... .. Lawton Blackberries. A. O. Moore, New York, ..... Downing's Landscape Gardening.

do do Elliott's Fruit Book. American Weeds. M. T. GARDNER & Co., Detroit, . . Garden Seeds.
do flower Seeds. do Hungarian and other

### ANSWERS TO CORRESPONDENTS.

Grass Seeds.

Aunt Percy-Ought to know that we must be sure of the writer before inserting any communication what

J. C. H .- Yours just received, correction will be made in next number.

J. L. S., Manchester.—Wrote you concerning your sheep

R. R., Clinton .- Your communication received, and is

filed for publication.

J. R. W.—Have the subject in hand, and have written

# MICHIGAN FARMER.

# R. F. JOHNSTONE, EDITOR. SATURDAY, FEBRUARY 26, 1859.

### Agricultural Statistics.

We have recently received from the American Geographical and Statistical Society, a copy of an address delivered before its members, by John Jay, Ksq., being "A Statistical View of American Agriculture, its home resources and foreign markets, with suggestions for the schedules of the Federal census of 1860."

The author proceeds to define first the necessity of statistics to government. In fact, are other farmers throughout the State who no government, whether despotic or representative, can ever legislate either for war or or for peace, with permanent success, without Statements such as these are of the highest the resources which furnish its wealth are thoroughly understood. Hence the necessity for a census, which in its broad meaning includes not only the mere enumeration of the land, its subdivisions and its inhabitants, but also the source of their wealth and the results of their productive industry. Here, where the governing power is in the hands of the people, where by States, by counties, by townships and school districts, the people of each locality are in the habit of taxing themselves, for the purposes of government, the knowledge of the resources of the whole country, of the State, the county or the township as disclosed by an accurate census, is as instructive and necessary to each citizen as to the most eminent statesman, who may be placed at the head of affairs. Hence every effort should be made to have the decennial statement as perfect as possible. Every citizen is interested

in it. No portion of the returns are more important to have exact than those which relate to agriculture. The number of the population, the value of the lands, of the improvements upon them, the amount of capital employed, the area devoted to the several crops, the annual production, the number and increase of animals, and of the manufactured articles, all declare in unmistakable terms whether we are advancing or receding. For our own part, we believe that in some kinds of culture we are receding instead of advancing. Take wheat, and we find that in most of the States where it has been grown, there has been, as a general rule, a decrease in the average amount of the yield per acre. In our own State, we doubt if an average of ten bushels have been raised from every acre sown for the past four or five years; and in this address of Mr. Jay, it is stated that the average number of bushels per acre in some States is as low as five and seven bushels, and the highest is only sixteen. And yet it can be shown that a higher average is grown in other countries which are not as well adapted to the growth of this grain as ours. Again: it is claimed that there is an alarming decrease in the agricultural population, when compared with the land under cultivation, and the whole population, This vacuum, however, may be accounted for as supplied in part by the use of improved implements. The horse powers, the thrashing machines, the horse rakes, the mowers, and the reaping machines, the cultivators, have more than added one fourth to the ability of those now employed in agriculture to perform the requisite labor, and have, as a matter of course, left an equal proportion of the people to enter into trade and manufactures, or professional life, without having agriculture suffer more in proportion, than what it has always done, for want of skilled labor.

In this address, it is proposed that additional schedules shall be prepared for the census of 1860, which shall afford information:

1st. As to the proportion of the population

gard to their sex, and their average life when compared with that of those who live in

2d. The proportion of capital invested in land, stock and implements.

3d. The improved and unimproved lands of farms, and the amount in meadow, pasture or

4th. The average of each crop per acre and their cost, with the number of bushels or weight per acre of the crop produced, with its cost value.

5th. The amount, variety and cost of manures applied during the year.

These suggestions are very good so far as they go, and with the inquiries that will reasonably be added by the intelligence of those who prepare the schedules for the census, the returns ought to show a very near approximation to the true state of the agriculture of the whole country, and will do so if the duties of the district marshals are performed with judgment and some degree of knowledge of the business which they have on hand. There is certainly evident, a disposition to have the census of 1860 as perfect as may be, but we also want to see it disencumbered of all useless appendixes, and placed before the people at an early day.

#### Worthy to be Read, and Studied.

We want our farming readers to give the communication, entitled "A statement of what a small farm will produce," a most attentive perusal, and also to ponder upon what is there said. There are points in the remarks of Mr. Fishburn, that will commend themselves to the attention of every thinking man, who has a small piece of land, of which he wants to make the most; and we hope that there will follow his example, and give us, from department, it represents fully, fairly, and respecttime to time, the results of their experience. value; they are the answers to problems in Editors, and sustain it with liberality. The preactual cultivation, wrought out not by theory but by practice, and demonstrated on the Duffield, Prof. Boise of the University, a review of blackboard of the soil. They serve, also, to confirm the teachings of those who theorize correctly. Let the farmers themselves give public Instruction in our own State. There are us more of them.

Another communication from a practical farmer, on the kind of cattle most needed for this State, is very singularly suggestive to ful page, and will be quite beneficial to all who those who are breeding, This, too, we com- seek situations, and will enable school districts to mend for the real utilitarian view it takes of the subject of breeding, and we hope to hear often from the same pen on the same subject, as well as from others. The subject is one that is deeply interesting.

# Farmer's Club at Northville.

The farmers in the vicinity of Northville have organized a farmer's club, which meets at stated times, and the members discuss with each other such subjects as they select. At a late meeting, the subject thus treated was Wheat growing," and the Secretary, J. D Yerkes, has furnished us with a succinct report of what was said by the members. We shall publish this report next week; it contains the opinions of the best and most intelligent practical men, on a subject in which they are deeply interested as a part of their business, and will prove most interesting to our readers thoroughout the State. At the next meeting of this club, the question to Literature. be discussed will be, "What is the most profitable stock for farmers to keep?" We hope to be allowed the pleasure of laying the discussion on this subject before our readers. These reports we consider of the highest use; ter. they enable others at a distance from the D. M. Dewey, New York, announces a work on meeting to participate in the benefits of the open air grape Culture, for the use of amateurs in that the United States shall have power to do so, club, and whilst the debate calls out information from the members themselves, the reports will also elicit much experience from ary character of men of genius by D'Israeli, a volothers who can not be present. For our- ume of selections from the Cambridge Essays. selves, we deem them very important, for whilst they inform us of the views of practi-We think the first chapter of Mrs. Stowe's story in cal men on such subjects, and of how much this number, is the most beautiful and correct picto what is not known, and post us up as to depth of thought and power of observation of the how the subjects should be treated in our page one of Whittier's exquisite poetical production the Army and Navy for the protection of citizens to be of the most benefit. We shall cheerfully extract, or publish the whole of this magazine. such whenever they are furnished to us, as our limits may permit.

# The first Fruits.

The Grand Rapids Eagle states that during the past week 142 tons of Plaster were shipped for Detroit from that place over the Detroit and Milwaukee Railway. This is but the beginning of an immense demand that is as yet only in its infancy, and which serves as an indication of what the business and villages of the State, the statistics of the city, will be when the liberal terms of freight a- and its civic, religious, military and charitable in dopted and devised by Messrs Rice and Muir, are more generally known.

The iron mines of Lake Superior are entering on the employed in farming pursuits, both with rebusiness of the year with renewed activity, and are

#### New Books

A Woman's Thoughts about Women; by Miss Muloch author of John Halifax, Gentleman, Agatha's Husband. Olive, &c. published by Follett, Foster & Co., Colum-bus, Ohio, and for sale by Francis Raymond, Detroit.

Those who have read Miss Muloch's works, know what a practical, good sense thinker and writer she is, and will be glad to get hold of a work like this fresh from her pen. It is a book full of thoughts of the very kind by Prof. Katchenovsky, of the University of which women want, and of the nature to be Kharkoff, of great use in assisting them to solve the great problem of the present age, "What shall women do with themselves?" Anything of George the Fourth. They are said to be made up of original family papers. that can throw light on that dark and troubled subject, or in any manner assist woman in working her way to a condition of more honorable and humane self-dependence or independence, than she now occupies, should be welcomed with gratitude. We are sure the uch service to many women in making their entire confidence that peace would be maintained. life path plain, and inspiring them with courage to work their way bravely.

The subjects treated of are in twelve chapters as follows; Something to do, Self-Dependence, Female Professions, Female Handicrafts, Female servants, The Mistress of a family, Female friendships, Gossip, Women of the World, Happy and Unhappy Women, Lost Women, and Growing Old.

#### Literary News.

The Michigan Journal of Education, No, 2, was laid on our table last week, and presented such an agreeable and pleasant appearance in comparison with the old form in which it appeared, that we hardly recognized it under the new management, and with the improvements in its typographical ably, the educational interests of the State, and we hope to learn at an early day that those interests appreciate the efforts of its conductors and sent number contains articles by the Rev. Geo. public Instruction in Upper Canada, a mathematical miscellany of much interest, and the department specially devoted to information relative to also articles by Professor Winchell, the editor .-We note that he has given a page to teachers and localities which may need teachers, where each may make known their wants. This is a very usemake selections of such teachers as may suit them.

It will be seen by a reference to our advertising pages that A. O. Moore, has issued a valuable edition of Downing's Landscape Gardening, of Elliott's Western Fruit Book, and Darlington's work on American Weeds, which we hope to notice at length when we have had opportunity to review them.

The editor of the American Publisher's Circular gives notice that he intends to publish a complete list of all booksellers in the United States and Canada, and for that purpose he invites the assistance of booksellers and publishers them selves. They are invited to communicate with

The Hon. J. T. Claiborne is now engaged on the life of General Quitman, all the correspondence and papers having been placed in his hands.

Amongst the announcements of new Books ography" by Lady Morgan. This must be a work of great interest, as Lady Morgan has seen, known and conversed with every celebrity for the past half century; also Villmar's History of German

D. Appleton announces Ure's Dictionary of Chemistry, Norse Tales, an autobiography of John Brown, Buckles History of civilization, vol. 2, a new work by Dr. Doran; Life and Times of Mat-vey the mails across this transit by thew Henry, and sketches from Jean Paul Rich-

the northern States, with the latest and most ap-

Sheldon & Co. of New York announce the liter-

The Atlantic Monthly for March-The number is known by them, they also enlighten us as ture of life she has ever drawn, and evinces a columns to be of the most benefit. We shall tions, which will give some idea of the quality of the message has not yet been considered.

The Detroit Directory for 1859 .- The indefatigable compiler of the Detroit Directory after manifold mishaps and delays, bas just issued the for 1858, but the business circumstances of the couragement given Mr. Johnston, would not warrant its issue last year. The volume is neatly ing men of Detroit, a gazeteer of the cities, towns in civilization. stitutions and societies. The principal firms also dissenting voice, Alfred N. Allen for Lieut. Government advertise in it, and as a reference, with its index- ernor, and James Harlan for Attorney General. es, we think ifs benefits are not sufficiently appreciated. Every business man knows that the very first authority referred to by strangers visiting our city, with which they are not familiar, is the Di- lions of dollars.

rectory, if there be one; and strangers are of course guided in their views by the style and address they may find there, especially when adver tizing information is furnished. Hence a good Directory is of great benefit. The labor of pre-paring one is not light, and when to this is added insufficient encouragement, and indifferent sup port, it cannot be expected that such a work will e made all it should be if both are withheld .-We hope to learn that the compiler will be amply remunerated for his labor in getting out the present number.

A "Biographical Study on the Life and Works of Daniel Webster," has been published in Russia,

The Duke of Buckingham has nearly ready for up of original family papers.

#### Foreign News.

The Parliament of Great Britain opened on the 3d instant, with a speech from the Queen in person. Complaints were made by the opposition to the ministry that nothing was said with regard to the position of France, Austria and Piedmont.thoughts and hints in this work will be of Lord Derby and D'Israeli replied that they had

> France is pushing forward her warlike preparations with energy. Some of the New York papers seem to hint that all this preparation, while making a show towards Italy, may be intended for Nicaragua or Central America, and that it may be partially caused by the attitude of the President on the Cuba question.

> Prince Napoleon and his bride, the daughter of the King of Sardinia, have arrived at Paris amidst great rejoicings. A correspondent of a Belgian paper says: Notwithstanding the rupture of dilomatic relations between Piedmont and Austria, the reigning families of the two countries, who are related, have maintained amicable communications. In consequence, the Princess Clotilda wrote, it is said, with the authorization of the King, her father, to the Emperor of Austria, to announce her approaching marriage with the Prince Napoleon; and it is added that the Emperor returned an affectionate reply of congratula tions."

> A report prevails that the King of Sardinia, who is a widower, has opened negotiations for the hand of the widow of the Duchess of Leuchtenburgh, a sister of the Empress ef Russia, thus drawing more closely his alliance with a power not friendly to Austria.

> The Emperor of Brazil has offered his services as mediator between Paraguay and the United States, and they have been accepted by the American Commissioner. This is more sensible than going to war, and it is to be hoped that the dictator of Paraguay will consent to this method of ad-

> The Russian government has completed a treaty of commerce with Great Britain which was re cently signed by the respective ministers of both

A Stockholm letter states that the King of Swe den is struck with paralysis and not expected to

# Political Intelligence.

The Cass-Yrissari treaty as it is called, made be tween this country and Nicaragua has been agreed to by the Nicaraguan government. It concedes to the United States, and to their citizens and property, the "right of transit between the Atlantic and Pacific oceans, through the territories of that republic, on any route of communication natural or artificial, whether by land or by water, which may now or hereafter exist or be constructed under the authority of Nicaragua, to be used in the same manner and upon equal terms by both republics and their respective citizens-the republic of Nicaragua, however, reserving the right of sove reignty over the same."

The United States agree to extend their protection to all such routes, and to guaranty the neutrality of the same. They also agree to employ their influence with other nations to induce them to guaranty such neutrality and protection.

Nicaragua engages, also, to establish a free port at each extremity of the transit for merchandise and effects in transitu. Troops and munitions of war can be carried by

The Postmaster General is authorized to convey the mails across this transit by contract or

Nicaragua agrees that in case she should fail to protect persons and property upon this transit. so long as such military protection may be consid

ered necessary. In the passage of the diplomatic appropriation bill, in the Senate, a clause was inserted, providing that no ministers should receive pay except those named. This is considered a bar to the appointment of any others without the assent of Congress, and will probably save the President from

much solicitation. The President sent in a message last week, asking for further powers to enable him to employ

The Governor of Washington Territory, Fayette McMullen, has resigned.

By the treaty recently ratified by the Senate, the U. S. acquire about 10,000,000 abres of land from volume for 1859. This would have been issued the Yonkton band of Dacotah Indians who are to be placed on a tribute and reservation, and the city for the past year have been such that the en- President is authorized to give them lands in severalty instead of being intrusted with large amounts of money as has heretofore been the case printed and is bound and published in good form. with other indians. They are to be supplied with It contains the names of nearly all the heads of stock, agricultural implements, farm houses, and families, and of the principal business and work. whatever else may be necessary to advance them

The opposition State convention of Kentucky nominated Joshua F. Bell for Governor without a

The bill making appropriations for the maintenance of the army has passed the House of Representatives. The amount allowed is only 14 mil-

As a measure of economy it has been adopted in the House of Representatives as a proviso the Post office bill, that the advertising of the mail routes shall be confined to the two papers having the largest circulation in each State, the papers to be published in the same town.

#### Scientific Intelligence.

List of Agricultural Patents for the Week ending February 8, 1559. Self opening gates—J. A. Ayres, February 8, 1559. Self opening gates—J. A. Hartford Connecticut, improvement in connect

platform with fastening.

Steam plows—Samuel K. Bassett, Galesburgh, Ill.—
Method of attaching plows to engine.

Geo. E. Chenoweth, Baltimore, Md. An improvement in the cam cylinder of harvesters.

James Dundas, of Little Rock, Ill. An arrangement

for moving the half shovel teeth on cultivators.

for moving the last shoves teeth on cultivators.

Geo. Essington of Plainfield, Ill. An arrangement of the mold boards of cultivators.

Daniel P. Farnham, Johnstown Centre, Wis. A new

self acting cattle pump.
George W, B. Gedney, New York. A new rotary

spading macnine, being a series of narrow spades that de-seend into the ground in each others track, and move the soil laterally. A cam movement operates on the spades by means of handles that connect with it.

H. J. Hale, Indianapolis, Ind. Improvement in broad cast seed sower. Rufus Lapham of New York, a force pump connected

with a churn to pump air into the cream.

W. K. Miller of Canton, Ohio. An improvement [in the combination of the rocking bar and braces of har-

vesters.

F. A. Redington, Fredonia, N. Y. A combination of water box, milk vat, and boiler for the manufacture of

w. R. Rowe of Sharpsburgh, Md. An improvement

in corn huskers.

Jer. P. Smith, Hammelstown, Pa. A new arrangement of the teeth in corn shellers. Augustus Watson, Walnut Run, O. An arrangement of coulter and mole in drain plows that will run the plow out of the ground when so desired.

Michael Boyer, Germantown, Ohio. Arrangement of delivery in seed drills.

E. B. Hall, Woodbury, N. J. An improvement of the stump extractor of J. S. Wood.

Wm. Leach of Clarkson, N. Y. A self acting cheese

#### General News.

—There are nineteen ocean steamers lying idle at New York, viz.: America, Atlantic, Adriatic, Baltic, Canada, Daniel Webster, Ercisson, Falcon, Georgia, Josephine, North Star, Northern Light, Ohio, Ocean Queen, Vctorlan, Vendarbit, St. Louis and Star of the West, not one Vanderbilt, St. Louis, and Star of the West, not one of which has been employed during the winter, or is likely to be, except the America and Canada, which are unde going repairs at Hunter's Point, previous to being placed on the route between New Orleans and some of the Mexican ports.

Good.—The Grand River Eagle sets an excellent example by refusing to publish the miserable stuff that Bonner of the N. Y. Ledger has sent around the country as the "Wonderful original Story of the Hidden Hand." The first two chapters prove to be the silliest and merest trash that could be palmed on the community.

—A gentleman of Brookline, Mass; has sent to the Boston Transcript a list and description of the coins and medals struck bearing the head of Washington from the period of the War of Independence to 1805. There were forty-seven of them altogether.

—A Virginia gentleman proposes to donate \$20,000 for the crection of an agricultural college in the vicinity of the University of Virginia, provided the people of the State will contribute \$50,000 as their share for that purpose

-A driver of an express wagon at Albany, N. Y., has been arrested for robbing the mall at that city. He was seen by the post office agent, Holbrook, to take a package of letters from the office directed from Milwaukee to or letters from the office directed from Milwaukee to Boston, and they were found on him, as well as consider-able western money. He confessed on his arrest that he had taken letters for several months, being admitted to aid in sorting the mails, and no suspicion being excited that he was untrustworthy.

-The Western Chronicle, of Centreville, notices that the high price of corn has caused the distillery at that place to be closed, and work stopped for the present.

Ready for the Harness .- The editor of the Battle Creek Jeffersonian recently observed that a young lady in his village had a pet horse, which when she held up her cheek, actually kissed it; and he now informs the lady herself, that should anything happen to the animal, by which it would die or get sold, that he, the said editor, may be found in his sanctum at any time!

- Henry Wallam, the English historian, died on the 22d of January last, aged 81 years. He was author of several works, but his "View of Europe during the Middle Ages," and his "Constitutional History of England," are the best known, and contributed most to his fame. He was considered one of the most impartial writers of history known, and of great research.

- Father Gavazzi, who visited this country some years since, recently delivered a lecture on Oliver Cromwell, in London, with the design of aiding to raise a monument to the memory of that great revolutionary leader.

— The New Hampshire Legislature has been obliged to repeal the law giving a bounty for the destruction of crows, as the practice prevailed of gathering the crows eggs and setting them under hens, to ensure the payment of the bounty to the smart inventors of this new method of securing the benefit of the State's liberality.

 Some of his agricultural friends in Connecticut, his native State, have presented Solon Robinson with a gold goblet, handsomely chased, and a suitable inscription. — A bill has passed both houses of Congress, giving to

Mrs, Myra Gaines a pension of \$600 per year. Mrs. G. is the widow of General Gaines, and at one time was supposed to be, by the decision of one of the courts, the heiress to a vast property in Louisiana.

—On the 22d the anniversary of the birth day of Washington was celebrated in this city with much display. The oration was delivered before the Mount Vernon Association, and citizens, by the Rav'd Henry Neill. The military turned out, and were reviewed by the Governor, and at night a very splendid ball was given at the Russell House, the proceeds of which were to be given to the Mount Vernon Fund.

- The Hannibal and St. Joseph Railroad, in Missourt, has been completed, so that now there line of railroad from Detroit to Kansas.

— There seems to be well founded evidence that a member of Congress from New York city has been using his position to obtain money from parties seeking legis-lative aid. It has been given in evidence that he received from one party \$400 as a consideration for procuring a bill to be reported by a certain committee.

- It stated that the health of Senator Charles Sumner uch better, and that he will return from France early

in the sprieg. - There is a freshet in the Ohio river at present, and the water in the channel of the river was fifty feet deep

— Oscar W. Field, teller of the Atlantic Bank, New York, has absconded, and it is found that sixty thousand dollars of the funds of the Bank are missing. Gambling is the supposed cause.

— The mills at Birmingham, in this State, belonging to Messrs. Gardner and Opdyke, were destroyed by fire on Tuesday night. The loss to the owners is said to be \$6,000. There was an insurance of \$5,000. The fire is supposed to be the work of an incendiary.

# The Household.

"She looketh well to the ways of her household, and easteth not the bread of idleness."—Proveres.

EDITED BY MRS. L. B. ADAMS.

#### THE DOUBLE-HEADED SNAKE OF NEWBURY.

"Concerning ye Amphisbena, as soon as I received your commands, I made dilligent inquiry:...he assures me yt it had really two heads, one at each end, two mouths, two stings or tongues."—Rev. Christopher Toppan to Cotton Mather.

Far away in the twilight time Of every people, in every clime, Dragons and griffins and monster Born of water, and air, and fire, onsters dire Or nursed, like the Python, in the mud And ooze of the old Deucalion flood, Crawl and wriggle and foam with rage, Through dusk tradition and ballad age. So from the childhood of Newbury town And its time of fable the tale comes down Of a terror which haunted bush and brake, The Amphisbæna, the Double Snake !

Thou who makest the tale thy mirth, Consider that strip of Christian earth On the desolate shore of a sailless sea, Full of terror and mystery, Half-redeemed from the evil hold Of the wood so dreary and dark and old, Which drank with its lips of leaves the dew When Time was young and the world was new And wove its shadows with sun and moon Ere the stones of Cheops were squared and hewn; Think of the sea's dread monotone, Of the mournful wail from the pine-wood blown, Of the strange, vast splendors that lit the North, Of the troubled throes of the quaking earth. And the dismal tales the Indian told, Till the settler's heart at his hearth grew cold, And he shrank from the tawny wizard's boasts And the hovering shadows seemed full of ghosts, And above, below, and on every side, The fear of his creed seemed verified; And think, if his lot were now thine own, To grope with terrors nor named nor known, How laxer muscle and weaker nerve And a feebler faith thy need might serve; And own to thyself the wonder more That the snake had two heads and not a score!

Whether he lurked in the Oldtown fen, Or the gray earth-flax of the Devil's Den, Or swam in the wooded Artichoke, Or coiled by the Northman's Written Rock Only the fact that he lived, we know, Nothing on record is left to show; And left the cast of a "double head" In the scaly mask which he yearly shed. For he carried a head where his tail should be And the two, of course, could never agree, But wriggled about with main and might, Now to the left and now to the right; Pulling and twisting this way and that, Neither knew what the other was at.

A snake with two heads, lurking so near !-Judge of the wonder, guess at the fear!
Think what ancient gossips might say,
Shaking their heads in their dreary way,
Between the meetings on Sabbath-day!
How urchins, searching at day's decline The Common Pasture for sheep or kine, The terrible double-ganger heard In leafy rustle or whirr of bird! Think what a zest it gave to the sport In herry-time of the younger sort,
As over pastures blackberry-twined
Reuben and Dorothy lagged behind,
And closer and closer, for fear of harm,
The maiden clung to her lover's arm; And how the spark, who was forced to stay. By his sweetheart's fears, till the break of day, Thanked the snake for the fond delay!

Far and wide the tale was told. Like a snowball growing while it rolled. The nurse hushed with it the baby's cry; And it served, in the worthy minister's eye. To paint the primitive Serpent by. Cotton Mather came posting down All the way to Newbury town. With his eyes agog and his ears set wide, And his marvellous inkhorn at his side; Stirring the while in the shallow pool Of his brains for the lore he learned at school To garnish the story, with here a streak Of Latin, and there another of Greek: And the tales he heard and the notes he took, Behold! are they not in his Wonder-Book?

Stories, like dragons, are hard to kill. If the snake does not, the tale runs still In Byfield Meadows, on Pipestone Hill.

And still, whenever husband and wife
Publish the shame of their daily strife, And, with mad cross-purpose, tug and strain At either end of the marriage-chain, The gossips say, with a knowing shake Of their gray heads, "Look at the Double Snake! One in body and two in will The Amphisbæna is living still!"

-Atlantic Monthly.

# Beauty of Character.

The soul shines out through our daily actions like a ray of light through a prism. All its inherent properties are made visible, and our acts bear the hue and shade of the motives that prompt them. The acts of our life form our character. We may make it pure, harmonious and beautiful as the solar spectrum, or we may make it distorted, and tinted only by the darkest shades. An insipid character is not beautiful, neither is a violent or eccentric one. We do not like a tame, monotonous blending of colors, or a sky draped with interminable, unbroken clouds; neither can we be long pleased with a constant display of brilliant tints, or a sky incessantly disfigured by threatening clouds, from which are ever breaking forth unexpected flashes, ceaseless mutterings, or startling and discordant sounds.

A beautiful character is more lovely to contemplate than the most beautiful picture ever created by artist hands. None, it is true, save "the one" can lay claim to the attribute "altogether lovely," but we can so near approach it as to make our lives like a pleasant scenic picture, which must have

but where all are sweetly harmonized into one serene and charming whole.

Kindness of heart and good temper are the best preservatives of beauty, both of character and features. Without them the lovethem the plainest features become beautiful. To see a fair young face distorted with passion, or to hear a sweet voice broken by angry words, is like having an ugly blot dashed across a fine picture, or a harsh discord jarring and marring the sweetest harmonies of life. O, you who are yet in your youth, and have the forms, the features and the tones acters. It is your daily intercourse with parents, brothers and sisters, and young commotives that influence you oftenest, that give to your characters the brightest tints of beauty or the ugliest marks of deformity .-If the soul is beautiful, pure and noble, it will make itself visible through the plainest face, and the world will pay it the homage of respect and admiration, and God will love gotten in their native dust.

#### Home Hints.

When people are leaving your house or parting from you, always permit those departing to be the first to say "good bye." If the host or entertainer gives the parting salutation first, it sounds as though they were anxious to get rid of their guests and have them out of sight as soon as possible. We have frequently heard people say to friends leaving their house, "Well, good bye to you," before they had fairly reached the door; as much as to say, "I'm glad you are going, and want the ceremony over as quick as may be." This is a breach of good manners amounting to rudedess, of which no lady or gentleman would be guilty, even if their visitors' absence were more to be desired than their company.

In the first place, visitors should not make their call tedious; they should say all they have to say before starting to go, and, having once started, make their adieux as gracefully as they know know how, and leave promptly.

It has been asked if it is proper for a lady guest visiting at a house over night, to make the bed before leaving. No; never make the bed unless you expect to occupy it yourself, but turn the clothes down, shake up the bed, arrange every thing with care and neatness, and leave the room in as perfect order as possible. It is not proper to put a visitor to sleep in a bed that has been occupied by others, without first changing the sheets and pillow slips, and for that reason leave the bed unmade unless you remain another night.

# Female Education.

Much remains to be done in winnowing out of people's minds ridiculous ideas of a certain purely factitious style of living, without which it is impossible to keep house. There are plenty of young men who have yet to unlearn the foppery of expenses disproportioned to their means, and the sordidness of luxuries which feed, not self-respect, but gluttony and pride. The possibility must be secured to of Saint Marks, where may be seen daughters and younger sisters of growing up who, if they are ever married, will choose and reur!" "! Empereur!" At the sound I observed value their husband for what he is, and be in- that ladies generally fumbled nervously at crinterested in his calling and his opportunities oline arrangements, while here and there a genof observation; women who will estimate the grave and sweet realities of wife and motherhood, beyond any accident of precedence or superfluity. By dismissing false and foolish notions of respectability, by refusing the cheap facinations of a paltry education, of display, by discountenancing restraints misdirected or too rigorous, by cultivating an intelligent and unassuming mode of intercourse, by a careful foresight in assisting young people to prepare themselves for the exertion and cost of one day being the centre of a peaceful, hospitable home,—in these and other ways much may be done to remove obstructions to that gradual acquaintance, and that unaffected respect and attachment, which lead on to happy marriage. In the meantime it may be well to think, with not only the sympathy, but the veneration they deserve, of many among those who will never marry; to assist in multiplying the too few occupations suitable to women, or open to them; above all. not to preach by implication, or otherwise, that a woman's life need ever be dwarfed to a negation, or consumed miserably away, by were about it ranges of dark green velvet formacauses absolutely out of her control. There tions, clasped with sprays of diamonds. Her head

womanly dignity and sweetness, and to organise around them the moral elements, at all events, of an independent existence. They whose steps are feebler need the more to be liest face wants its highest charm, and with helped, rather than hindered, in the struggle with their fainter and more yielding self. If they fall here, is it at all certain that in wedded life their lot would have been auspicious? Alas! how many a faltering will has bent and given" beneath sanguine, and unfulfilled resolutions to reclaim and humanise the husband, who has pulled the wife down instead to his own mean and wretched level! Marriage is not a lottery: but it is mere wilful blindness of that tender season, it is with you now to to forget that in all its higher aspects, it may mould them for future beauty or deformity. be wofully inverted or appallingly debased. You are painting your own portraits for life Not all the grand provisions of tender ties and and for eternity, and the commonest acts of gracious instincts, which surrounds one of the your every day life are the ones which give greatest of Divine ordinances, will make peothe permanent tone and color to your char- ple pure or happy who insist on being peevish and frivolous, or are worldly, sensual, and devillish. Wedded life is a great and holy looked upon a spectacle in conflict somewhat with panions, the thoughts you cheriish most, the mystery, and a source of power for good, often beyond estimation; but unless there be at least one soul filled with unselfish love, and strong in an unflagging faith, the formal union of two persons is no guarantee whatever for a will ennobled or affections enlarged and cleansed. And the faith which so works by love, Bunsen, locate the cradle of the race (or the primcan make a sunshine in a shady place, without an infants's or a husband's eyes to look inand glorify it when the humble habiliments to. The harmonies of a developed and transof earth which now enshroud it shall be for- figured womanhood have been set many a time to other music than that of wedding-bells. the Ural Mountains as islands, was the northern She who is enthroned never, under any roof, in a mother's holy sovereignty, may earn the right, in many a house, of compelling every soul to love her. She will create or find an atmosphere in which to keep unwithered and in full pulsation "the heart, out of which are the issues of life." Her hands will redeem the time, and her brain not be idle. Living singly, yet not solitary, when she dies, it will not be till, "smote', by many a touch of gratitude and cheerful reverential sympathy, "the chord of self has, trembling, passed in music out of sight."—The Church of England Re-

#### Household Varieties.

American Women at the French Court. We extract the following description of American ladies at a grand reception and ball at the palace of the French Emperor, from the corre spondence of the National Intelligencer. The writer is graphic, terse and picturesque, and evidently was present, which is more than can be said of some who affect to "write for the papers," but have to draw more on their imagination than their experience:

Other ladies may care rather to know how their countrywomen appear in the presence of the Empress Eugenie and her glittering court; and as no less than seventy-three of our countrymen and countrywomen had the honor of presentation and of attending a grand ball subsequently, there can be no great secret of opinion. The numberan apt illustration of the populousness of American Paris-was so great that it was necessary to hold them apart. They were accordingly ranged around the walls of a great gilded room by themselves. It was, however, an uncommonly admira-ble collection; comprising distinguished men, civil and military, and ladies unsurpassed, unsurpassable in Europe. Our excellent Minister was pleased to say that a better collection had never come under his marshalship. The women were beautiful, and for the most part beautifully dressed. The men, goldlaced regis ad exemplar, that is after the fashion of the imperial court, bore them selves as if to the manner born-as if cocked hats were an every-day occurrence; and I must say that no other nationality among the two thousand people whom we found afterward in the dancing rooms struck me as being so fine looking, or more refined looking, which is still better. In a room adjoining, with their respective legations, were some thirty English, twenty Germans, nine Swedes, four Danes, with a sprinkling of Greeks, Italians, Spaniards: somewhat, in short, after the fashion

ters and younger sisters of growing up ational, appreciative companions; girls, they are ever married will choose at length announced, "P Emp tleman reassured himself as it were, upon the subje ct of cravat. On the whole, however, theoverawing was less than might have been expected. The imperial pair, meanwhile, accompanied by Mr. Mason, had entered the room. His Majesty, pre- This course he pursued every three days for two scriptively impenetrable, inscrutable, as described and reiterated, looked all the impenetrability due to his reputation. For the rest, he is shorter than was supposed by those who had only seen him on horseback. Like Tom Moore, he sits tall. He is much taller, however, than his prophetic uncle He wore white small-clothes, a simply embroidered blue coat, and the grand cordon rouge. The Empress walked at his side. They were unattend-No man of sixty could have read the poems of his youth without recalling the bride of the

"Fair as the first that fell of womankind. When on that dread yet lovely serpent smiling." A thousand such glowing parallels might be applicable. A greater degree of grace, a more gentle, sweeter character of beauty-in short, a more refined-looking lady is probably inconceivable. Her toilette also bore all this character, except possibly for a somewhat over-profusion of se mysterious substructures of expansion, seen, yet comprehended not. Her gown had the ap-pearance of being woven of fleecy clouds, of the kind known to meteorologists as cirri. There

light and shade, and bright and sombre tints, are women strong enough to keep their foot- the semblance of a kingly crown had on; glistening in the world singly, without any loss of ing in brilliants, and falling behind in a green velvet fold, from which depended a score or two of diamond tags or tassels, trembling with every movement, (each a grace, be sure,) and producing every charm and artistic triumph of which coiffure device is capable.

Their Majesties bowed graciously as Mr. Maso pronounced the name of every individual in turn. The Minister's memory struck me as being most extraordinary. Not a word was said by others; and when the pair had walked along the entire line and re-approached the door through which they had appeared, the audience was ended by a general curtsey and general bow. They disappeared, and, being gone, we were all men and women again. The clang of orchestra now rang through the palace. Folding doors were opened. and two thousand people strove to get footing in the Salle des Marechaux, a room capable of about six hundred. Nothing but packing and wormy movements were henceforth possible; and any description of the crash of crinoline in an over-crowded court ball would answer for the rest. Most of us came away more tired than forgats after twelve hours at the oar, but with a general impression, in regard to the remarkable Emperor, that we had ideas of the universal vanity of human wishes.

Russia in Possession of the Primitive Edens and Sacred Places of the Race .- Biblical geographers point to the lake Ian, in northern Armenia, and now a Russian possession, as the spot where once was situated the paradise lost by the fault of Adam and Eve. Indo-European theorists, especially itive Eden) in northern Asia. It occupied all the present western and part of the eastern Siberia, extending from 40° to 53° latitude, and from 60° to 100° longitude. The Arctic ocean, at that time as pleasant as the Mediterranean, with boundary. On the east lay the Altai and the Chinese Blue or Celestial Mountains; on the south the Paropamisus, or Hindoo-Koosh; and on the west the Caucasus and the Arrarat.

Both the Edens are now Russian pos Besides, Russian influence is preponderating in Jerusalem; and the spot in Rome assigned by archaiologists as the one where Romulus was nursed by a she-wolf, is Russian property, having been bought by Nicholas for the sake of excavations. By a curious coincidence Russia owns in this way the places most sacred in the history of our race -N. Y. Eve. Post.

Thrilling Incident of the Battle of Bunker Hill. Mr. J. T. Headley, in his "Diary of a Chaplain in the Army of the Revolution," relates the follow-

ing:
"At the Battle of Bunker Hill, as the British were advancing through Charlestown to the attack, a soldier entered a house where the husband lay sick. His wife was young and beautiful, and hearing the soldier in the next room, went out to meet him. He immediately addressed insulting proposals to her. Being angrily repulsed he attempted violence, when her screams aroused her sick husband from his bed. Nerved with the sudden excitement, he leaped up, and seeing his wife struggling in the arms of a British soldier, ran him through the body. The man fell back on the floor, and as his eyes met those of his destroyer, he shricked out, 'my brother.' The recognition murdered my brother,' the over-excited invalid usband fell dead on the corpse. These unhappy brothers were Scotchmen. One had emigrated to America several years before, the other had joined the English army, and after a long separation thus met to perish together."

# Household Recipes.

Relief of Neuralgia.

As this dreadful disease is becoming more prealent than formerly, and as the doctors have no discovered any method or medicine t at will permanently cure it, we simply state that for some time past a member of our family has suffered most intensely from it, and could find no relief from any remedy applied, until we saw an article, which recommended the application of bruised horse radish to the face, for toothache. As neuralgia and toothache are both nervous diseases we thought the reme 'y for the one would be like ly to cure the other, so we made the application of orse radish, bruised and applied to the side of the body where the disease was seated; it gave almost instant relief to the severe attack of neuralgia. Since then we have applied it several times, and with the same gratifying results. The remedy is simple, cheap, and may be within the each of every one. - Laurensville

Creosote for Warts.

Dr. Rainey of St. Thomas's Hospital, London, has furnished a communication to the Lancet, de tailing the effects of creosote applied to warts .-He applied it, among other instances, to an obstinate warty excresence on the finger, and then covered it over with a piece of sticking-plaster .weeks, when, on examination, the wart was found to have disappeared, leaving the part beneath it quite healthy.

# For our Young Friends.

Miscellaneous Enigma.

I am composed of 19 letters.
My 19, 14, 18, 12. is a kind of soil.
My 12, 8, 13, 14, 8, is an officer.
My 12, 10, 3, 19, is a fertilizer.
My 9, 15, 8, 19, 14, 6, 4, is a distance.
My 9, 19, 5, 17, 4, is a verb.
My 10, 12, 14, 17, 4, is a perposition.
My 19, 14, 1, 7, 17, 4, is a participle.
My 8, 4, 10, 5, 17, is a conjunction.
My 14, 17, 7, 14, 6, is a vegetable.
My 2, 11, 14, 17, is a metal.
My 3, 3, 12, is a pickname.
My 3, 3, 12, is a part of the body. Miscellaneous Enigma. My 13, 5, 12, is a nickname.
My 8, 3, 12, is a part of the body.
My whole, is the name of an agricultural paper.
M. Williams.

Brady, Answer to poetical enigma in last number. I took Nite My load was Salt.
The Doctor's name is Peter.
Niter is equivalent to Saltpeter.

#### A Paradisiacal Story. Continued.

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Supper was served in the dining-room, and partaken of by the company standing around the table. There was much merry talk and enjoyment in spite of the staid dignity of the hostess who, supported by the solemn Mr. Standish, graced the head of the table.

Whether accidentally or not, it so happened that, yielding to the guidance of Mrs. Minnett, who was his partner at supper, the young lawyer found himself very pleasantly situated between that amiable lady and the bright eved Isabel Brighton. It was true young Hendricks stood at her right hand, and evidently tasked to the utmost his powers of entertaining; and it was true too, that directly opposite and most pertinaciously intent on making herself agreeable across the table was the frizzed and flounced milliner; yet Allison looked happy, and seemed to enjoy with double zest the rather desultory conversation, as it imposed no restraints, and allowed each guest, whether acting the part of talker or listener, to speak, smile, or even laugh or be silent in their own natural manner. He was unusually animated, and was making some pleasant remarks to his fair companion, when Miss Dressmore, whose cat-like eyes had been watching every movement of the envied young stranger at his side, suddenly thrust her head as far forward as her neck would permit, and exclaimed in her small shrieking

"Is it possible, Miss Brighton, that you drink water instead of tea?"

"Yes, I prefer water;" ssid Isabel, smiling in an amused manner as she set down the glass she had raised to her lips.

"La, how old maidish!" said Miss Dressmore, giving her tortuous tresses a slight toss

"Indeed; is it?" said Miss Brighton arching her brows with something like surprise.

"Yes, la; it's a sure sign; isn't it Mr. Allison?" asked Miss D. with an appealing glance at the young attorney, whose eyes were full of suppressed mirth at this unexpected call upon his gallantry.

"Begging pardon for expressing a dissenting opinion, Miss Dressmore," he replied quickly, "I had always supposed that tea in its purity, was the undisputed prerogative and peculiar consolation of feminine single blessedness in its advanced stages. The idea must have been one of spontaneous growth, for I cannot recollect of ever having heard it spoken in so many words, still it seems as was mutual, and with the exclamation, 'I have firmly fixed in my mind as any other immutable truth, and-

> "Mr. Allison;" interrupted Mrs. McCleanly "do you not think habits of thought and speech grow upon us imperceptibly, and that we often allow ideas which in themselves are simply ridiculous, to remain in our minds without an effort to dislodge them, till at last we come to consider them as sensible and unquestionable truisms?"

> "Undoubtedly, madam;" replied Allison, bowing gracefully toward the hostess; "and this tea idea you would class in that category?" he added with a questioning tone, and with a somewhat mischievous smile playing about his lips.

But without heeding more than the admission he had made, Mrs. McCleanly continued;

"And is it not equally true, Dr. Minnett, that persisting in any whim-either of drink or diet, to gratify a conceit or maintain an affected singularity, we often come to regard habits thus formed as necessary to our health, and to imagine our tastes natural when in reality they are only acquired?"

"That is an established fact, madam, corroborated by the world's experience, and the testimony of all medical writers," replied Dr. Minnett; "and I have no doubt that if the Creator had seen fit to make all our springs bubble with green tea, and our rivers to pour down streams of coffee and chocolate, the taste for those drinks would have been quite as natural to us as the taste of water is now. In my opinion, custom, example and practice have much more to do with our tastes than nature ever had; it is a subject of curious interest to which I have devoted some study. If authors were as rare now as when I was young, I should be tempted to publish a treatise entitled the "Education of the Palate;" the matter for which has been accumulating in my brain ever since I took my first taste of tobacco."

"An excellent idea, Doctor;" "Why hesitate;" "Why hide your light when it is so much needed;" were the simultaneous exclamations of several of the company.

Mrs. McCleanly said nothing, but most of her guests, surprised and pleased at the happy turn the Doctor had given to the conversation, added their mite in making the stream diverge still farther and farther from the

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Miss Dressmore and the Rev. Mr. Standish were the evident favorites.

The glow of gratitude that lighted Isabel ly, and political economy with her husband. topics connected with her trade, with the de tails of which she amused Mrs. Standish and her rustling flounces.

Yes; there was playful wit, and light and ting and counterplotting, and sentiment and us with their presence. gossip, and religion and its counterfeit, in Mrs. McCleanly's little parlor that night, and, discordant elements as they were, right happily did they seem to harmonize under the magic influence of Dr. Minnett's unconquerable good humor and exhaustless fund of small talk; for, from the moment of Mrs. McCleanly's first manœuvre, knowing what he did of ed day, the ladies would be in their parlors the parties most concerned in her plans, he took upon himself the task of applying a counter-charm to every art she used, and so ings of the whole class by appearing to care quietly and cleverly was it done that those more for our own convenience than for what who were most interested suspected least .- our sense of duty told us was due to them. Indeed it was not till the winter was nearly over, and the leading events were drawing towards their consummation, that I began to see clearly the policy of all the parts that were enacted in the course of that evening's ly endeavoring to get my feet into her tracks

with it. The next day, however, each individual was summoned to re-appear before not knowing how far below the bottom might Mrs. McCleanly's tribunal of judgment, and be. There were no side-walks in West Parwith the entrance and exit of each one I adise, and the street in its widest sense was heard the distinct echo of the foot-falls on the common property of teamsters, horsemen. the door steps. Ominous echoes they were footmen and various domestic animals. Suntoo. The truth was, Mrs. McCleanly had dry spirited looking pigs, with sharp, chiselled over-reached herself, and not caring to ac- outlines of form and feature, were industriknowledge it even to herself, she took full ously turning over the mud in front of the satisfaction for the time out of those who had house and shop doors, and pensive faced cows so completely frustrated her designs. How lost in dreamy reveries leaned against the Mr. Allison, who owed so much of his suc- sunay side of board fences, taking no heed of cess to her husband's teachings and to his in- passers by, and little caring that to escape fluence, and to whom she had always shown too close proximity to their innocent heels, so much kindness, blended with the care and timid women were forced to step aside from anxiety of a mother for his future welfare, the "even tenor of their way" and frequently anxiety of a mother for his future welfare, how he could be so ungrateful to them, to her, and so blind to his own interest as to prefer the society of a young and for another.

Our journey was short but perilous, and they spattered, and left their dark stains over the wast almost stomerged for a mother for his future welfare, went into unsuspected depths of slush-hidden ment, up over the milliner's flounces came the scattering splashes, up on her window to January 1859, especially adapted to the wants of the society of a young, and for aught he knew, a giddy, adventurous girl, to one whose sense, and a prudent, thrifty and profitable wife, was more than she could account for .-Mr. Allison was perfectly well aware, she said, that his friends only wished to influence him for his own good, and he knew, or might know, if he chose to see it, that Miss Dressmore appreciated his talents instead of only admiring his person, as it was quite evident some others did, for what else could Miss Brighton know of him from only a month's acquaintance. Miss Dressmore on the contrary had improved every opportunity within the year past of being where he was to speak with his manner of thinking and style of speaking, both of which she doubtless overestimated in her enthusiasm to do full instice to a young and ambitious man. So Mrs. McCleanly thought, now that she saw with paid. But she felt sure he had been influenced by others; and why Dr. Minnett, whom

both herself and Miss Dressmore had always

with an entire stranger was quite a mystery party. I was particularly pleased with the father's rich you can do anything; and he Mirth and good humor soon prevailed, and to her. However, it was nothing more than Kneeland's and Goldings, and still more so upholds you in it, but I'll—you needn't during the evening Mrs. McCleanly had the might be expected; people who were obliged with Miss Brighton. Why or how it was I stand there grinning at me so, you impudent during the evening are stated that the self-command to prevent the chagrin she felt to associate with uncongenial minds must could not tell, but, strangers as we were, a little wretches!" she cried in a still fiercer from being seen, and the good sense to treat look for ingratitude, perverseness, and even sudden friendship seemed to spring up be- tone, turning to a group of boys and one or all her guests with a show of respect, though hypocrisy from them; still christian duty and tween us which resulted in many agreeable two young men, who in passing had paused the demands of society required that such meetings in the course of the winter. When to listen to this unwonted clamor in thir usuthings should be in a degree overlooked; we I first saw her I said, "what a nobly beauti- ally quiet street. "Be off, every one of you! should have more faith in the better quali- ful woman!" and I said the same every time I'll let you know-" she paused as if struck Brighton's countenance and made her so sur- ties of the human heart, and hope that the I saw her, but with still more emphasis and a dumb, sprang back into the room and shut passingly beautiful in Allison's eyes, well reinfluence of example might lead minds natudeeper meaning, for hers was a beauty that the door with a bang that made the whole paid Dr. Minnett for the promptness with rally low and grovelling to aspire to some- never palled, and that you could not fathom. house ring. which he entered the lists as her champion thing higher than the mere selfish enjoyment and turned the weapons back upon her an- of the present moment. This faith, and this away from her. The door of the room she dow, I saw Allison's face among them! The tagonist. The Goldings, the Rev. Mr. Knee- hope would lead us to throw the mantle of occupied as parlor and shop together, opened boy had called one of his comrades from the land and his wife and Mr. Hendricks and Al- char— at least it would teach us to be more directly upon the street, there was one step crowd, and the two stood side by side on the lison also testified their thanks by the zeal forbearing towards those beneath us, as we between the threshold and the ground, and disputed board, enjoying the splashing mud with which they sustained the Doetor in his know that their errors will sooner or later be just in front of this was a little pool of mudbenevolent efforts to steer the little bark of overtaken by retributive justice, and then, if dy water over which a slender board had been social enjoyment clear of the rocky beach of not before, they will be made to see the folpointed personalities on which it had so near- ly of rejecting the counsel of friends and trus- there were yet no foot marks upon it. We ly been wrecked. The Hardy's, if they ting so much to the misguided impulses of stepped warily across this little bridge, but thought of it at all or even heard the first the moment. But time would tell who were before we reached the door it was hastily murmur of the threatening surges, only with- right and who were wrong; it was useless to thrown open by Miss Dressmore who reached drew still more securely behind the screen waste words on those who wilfully closed their out and seizing her friend's hand drew her which alike hid from them the sight of dan- ears against advice, and shut their eyes to into the house, expressing her greatjoy at seeger and shut them out from all participation their best interests when so plainly set before ing her and apologizing for the muddy street in the common sympathy of joy when the them by the most disinterested friendship.— in the same breath. Miss Dressmore at home danger was past. Mr. Bailey and Miss And with this sensible conclusion, Mrs. Mc- was the fac-simile of what I have before des-Graves became deeply interested in a senti- Cleanly sighed a melancholy sigh, and turned cribed her, frizzes, flounces and all, save only mental conversation, and were soon comfort- her conversation to those members of her the white gloves. Her hands were encased ably enveloped in a web of romance of their class whose conduct being less flagrantly opposed to her wishes demanded less severity at her hands, (alias, tongue!) But the great at her hands, (alias, tongue!) But the great at her hands, (alias, tongue!) But the great been clipped off, what was left served the Sublette, Lee Co., Ill. event of the party was over now, I had been double purpose of concealing the dinginess Miss Dressmore, when Dr. Minnett was not introduced to the first class as they stood of her skinny hands, and showing the glimat her side, confined her remarks chiefly to marshalled under the eye of their leader; (to mer of her yellow rings. While she and Mrs. seemed like a very rebellious, self-willed set, Mrs McCleanly by turns, and consoled her- full of the idea that they were quite capable self for Allison's loss and Miss Brightons' of taking care of themselves, and quite detriumph by luxuriating in the multiplicity of termined to do so;) the next step was for me with Mrs. McCleanly to spend a few moments merry laughter, and love and envy, and plot- at the house of each guest who had honored

It was one of those winter days so common here when earth and sky seem to delight in contrast; all above was bright, glorious sunshine, under foot was half thawed mud and melting snow, or, as Hannah more emphatically expressed it, "the whole street was one complete slush;" but it was the appointwaiting for us, there was no alternative, we must go, or run the risk of hurting the feel-And we did go; but that street!

O Mercury, thy winged feet Were surely made for such a street!

sighed I, as I followed Mrs. McCleanly, vainat each successive step before the muddy But the evening passed away, and the party slush quite filled them up, for I did not feel

having with much manœuvering managed to half the front of her litt'e dwelling. maturer age and confirmed habits of indus- steer safely through two or three shoals of "There! now tell me I haint a right to try so well qualified her for a companion of ravenous land-sharks, and doubled some half stand where I please in the street!" shouted of free soil principles attached to our skirts. | yelled out,

Mrs. Hardy, timid, shrinking little woman, without her husband at her side; but she it over your head!" smiled pleasantly at receiving us, replied in seemed greatly relieved when we went away.

ly opposite Mr. Hardy's, but the programme sending the muddy waves nearer and nearer of our afternoon's performance was so arranged that we were to leave her till the last; standing. in public, that she might familiarize herself she was to be like a lump of sugar in the bottom of a cup of tea; we were to take the milk and water first and end with the sugar. her flounces and setting one foot on the We waded on, perseveringly and hopefully, making our calls in the regular order of suc- it was buried ankle deep in the "slush" sent cession, at Dr. Minnett's, at the Rev. Mr. up by another sudden spring of the boy who what indifference that interest had been re- Standish's, and at the Rev. Mr. Kneeland's; had been anticipating her movements. then crossing over to the Golding's and so coming down to Miss Dressmore's on the op-shrieked the milliner, springing back to the posite side. I need hardly say that we found threshold and shaking her clenched hand at

But Miss Dressmore; I am running too far confess the truth between you and me, they McCleanly were comparing the various rumuors they had heard respecting Miss Brighton, the object of her visit to such an outof-the-way place as West Paradise, the probable extent and consequences of her visit, to return the calls, or rather, in company and other matters of equal importance; my eyes took in a running inventory of the contents of the room. There was but one window in front, and that was used as a show case, being draped with coarse muslin curtains, coarsely embroidered, to the window side of which were attached by pins, paper patterns in pink and green, two or three bonnets of doubtful fashion, a cap or two, bunches of wire, ratans, and a few faded artificial flowers. A strip of rag carpeting lay across the middle of the floor, there was a bed in one corner of the room and a work table in the other. I had gone as far as the table in my exploration when Miss Dressmore, giving a shrill scream, sprang to the door and throwing it wide open exclaimed;

"Get off, you little wretch! get off! that's my board, and you've no business on it; get off I say !"

"I'd like to know if this street ain't public to every body !" responded a sturdy looking little rascal who had taken his stand on the middle of the board in question and now stood with folded arms, coolly tetering up and down and sending the muddy waves of the pool beneath him up to the edge of the milliner's door step.

Get off, or I'll have the constable take you up for trespass" screamed she. "You're not on the street, you're on my board ! get off, I tell you! see how you splash the mud on my clean step; I scoured it to-day!"

"I haint splashed it any yet, but I will now," said the boy, and suiting the action to the word, he gave a sudden spring which bent the board to the bottom of the pool and sent the dark streams flying in every direction; the little step was almost submerged for a mo-Our journey was short but perilous, and they spattered, and left their dark stains over

dozen cow promontories, we finally arrived at the youngster, but his voice was drowned by the Hardy's, bearing many outward marks that of Miss Dressmore who now absolutely

"Get off! you impudent little wretch! get looked as though she were but half at home off! I say, or I'll take up the board and break

"Well, I'd like to see you do it;" said the quiet little monosyllables to all we said, and boy with most provoking coolness, as he maintained his position on the board, quietly Miss Dressmore, as I have said, lived direct- tetering up and down and at each movement the step on which the enraged milliner was

> "I will do it, you vile imp! and I'll break your head too!" she screamed gathering up ground, which it had no sooner touched than

"You vile torment! You little devil!" patronized, should so completely forget him- all the parties at home, and all just what the boy; "you're the pest of the street, and

channel where the originator designed it self and them, as to take part so decidedly they had appeared to be on the night of the of the whole town, and think because your

As the group outside passed by the winand the milliner's discomfiture to their heart's

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I wish to plant out myself the coming Spring, I will
sell a few hundred to those who want them, not to sell,
but to supply their own tables with fruit, at the rate of
one dollar a dozen. A dozen plants will furnish a daily
supply for the table for several weeks.

CHAS. BETTS,
9-4:w

Burr Oak, Mich.

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WESTERN FRUIT GROWERS.
FULL OF EXCELLENT ILLUSTRATIONS,
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F. R. ELLIOTT, Pomologist,

Late of Cleveland, O., now of St. Louis.

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THE following varieties, and many others not enumera-ted, can be supplied during the season, forming an unrivalled collection:—

\*Charles Dickens, (Edmond's) Rosy lilac, dark centre,

1 ted, can be supplied during the season, forming an unrivalled collection:

\*\*Charles Dickens\*\*, (Edmond's) Rosy Illac, dark centre, large eye.

\*La Gondalier, Soft rosy crimson, fine truss and form. Lady Palmerston. (Edmond's) Delicate pale blue, large white centre, large truss.

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\*Mrs. Holtord, Large waxy, white truss, extra.

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\*Madame Viard, Light and dark purple, striped.

\*Striped Eclipse, Striped pink, very fine.

\*Queen of Purples, Fine dark purple.

\*Reine de Jour, White, large truss, excellent.

\*Krits Defiance, Color light, pink centre, extra large bloom and truss.

\*Anacreon, Very fine scarlet, distinct variety.

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The above twenty varieties form a very choice selection, price 12½ cents, for strong plants in Pots. For an assortment, \$1.25 per doz.; or upon the receipt of \$2,\$ four more varieties will be added, our selection, making twenty-four varieties will be added, our selection, making twenty-four varieties will be added, our selection, making twenty-four varieties will be added, our selection, and helperded.

All orders should contain a remittance.

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Delaware, Diana, Logan, and Rebecca Grape vines.

FRUIT, ORNAMENTAL AND DECIDUOUS TREES.

10,000 Norway Spruce and a large assortment of all the hardy varieties of Evergreens, 50 choice varieties of hardy ever blooming Roses.

Greenhouse Plants.—Bulbous roots, bedding plants, celery, Tomato, and cabbage plants in the proper season. For sale at reduced prices, all orders promptly executed, and articles packed to bear transportation any distance.

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WE solicit the attention of Orchardists, Nurserymen and Farmers in the Prairie regions of the West to our immense stock of

NORWAY SPRUCE.

The most hardy, rapid growing and beautiful Ever-green tree and the best adapted for forming belts and screens for the protection of gardens, orchards and dwel-lings in all exposed situations.

Our stock embraces all sizes from one to six feet in height, frequently transplanted and fitted for safe re-moval.

moval.

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No. 4.—Wholesale or Trade List.

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OFFER FOR SALE FOR THE SPRING OF 1859.

OF FRUIT TREESS,

Apples—3 years old; a very general assortment.

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2 years old; Dwarfs, very fine.

Pears—1 and 2 years old; Dwarf and Standard, so \*\*
tensive in variety as to enable us to fill almost any order.

any order. Cherry-1 and 2 years old; Dwarf and Standard, beau-Peach, Apricot, Plum and Nectarine-

Best varieties.

Currants—White and Red Dutch, Victoria and twelve newer varieties.

Gooseberries—Houghton's Seedling, a good stock, and some of the best English sorts.

Blackberries—Lawton, or New Rochelle, and Dorchestor.

and some of the best English sorts.

Blackberries—Lawton, or New Rochelle, and Dorchester.

Haspberries and Strawberries—Assortment especially large and desirable, of all the best old and new kinds.

Grapes—An immense stock of Isabella, Catawba and Clinton, I and 2 years old, exceedingly strong and well rooted; also, very fine plants of the Concord, Delaware, Hartford Prolific, Northern Muscadine, and Union Village; besides a superior collection of Foreign Grapes, in pots.

Evergreens—European Silver Fir; American and Norway Spruce; American Arbor Vitæ; Balsam; Hemlock; Austrian, Corsican and Scotch Pines.

Deciduous—American and European Mountain Ash; Weeping Ash; American Elms; Weeping Elms; Cyery graceful, Horse Chesnuts; Catalpas; European Larch; Silver and Sugar Maples; Linden; Tulip Trees, Nursery grown and very fine; Walnut; and Weeping Willow.

Shrubs—Aitheas; Fringe Trees, Purple and White; Unden; Honeysuckles; Lilaes; Snowballs; Sweet Briar; Spireas; Double Flowering Thorn, White and Rose colored, &c.

Roses—One of the best and largest collections in America; best plants of the August as \$1.

Dahlias, Pæonies, Horder Plants, Bulbous Hoots, &c., in great variety.

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Rhubarb—Cahoon's, Giant, Victoria and Linneus.

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Rhubarb—Cahoon's, Giant, Victoria and Linneus.
Asparagus—Very strong, 1 year old roots.
Hedge Plants—Osago Orange; Honey Locust,
Privet, 1 and 2 years; Red and White Cedar. FOR NURSERYMEN.

500,000 Apple Grafts, worked on strong roots, at \$6 50,000 Manetti Rose stocks, very fine, 15 80,000 Mazzard, Cherry do do 4 200,000 Apple Seedlings, 1 year, do 4 4

Nurserymen will find these very superior.
Our articles generally are of the finest growth, and
will be sold at lowest rates. For particular information
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Our Several Catalogues, Viz:

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No. 4. A Descriptive Catalogue of Dahlias, Green House, and Bedding Plants, &c.
No. 5. A Wholesale Catalogue for Nurserymen and Dealers.

Dealers.
Forwarded on receipt of a stamp for each.
THORP, SMITH & HANCHETT.
Syracuse, N. Y., February, 1859.
8-4w

#### FRUIT TREES FOR SALE! 125,000 APPLE TREES

# CHOICE VARIETIES.

All thrifty vigorous trees. We sold from this Nursery last year to many Farmers and Fruit/Culturists, and have had no complaint of the trees dying. In every case where we have had an opportunity to examine them, they have lived and grown well, and of those we have heard from the testimony is the same. Also, Pear, Peach, Cherry, Plum, Quince,
AND OTHER VARIETIES,
For sale by
BLOSS & CO.,
No. 22 Monroe Avenue, Detroit.

Publication Office, 130 Jefferson Avenue. DETROIT, MICHIGAN.

# THE MARKETS.

Flour and Meal.

Article.	Detroit.		New York.	
Flour, superfine \$\beta\$ bbl,  Extra,  Double Extra,  City Family,  Corn meal, per 100 bs,	6.50	@7.00 7.00 @2.00	5.40 6.05 6.60	@5,60 @6,80 @7,25
Buckwheat,	2,00	@2.25 16.00 20.00 27.00	8.75	@4.25

#### Grain.

Article. Detroit.		New York.		
Wheat, White,	$   \begin{array}{c}     1.15 \\     0.75 \\     0.52 \\     1.60   \end{array} $	@1.40 @1.25 @0.77 @0.55 @1.80	1.50 1.30 0.84 0.60 1.60 0.82	@1.60 @1.40 @0.86 @0.63 @1.90 @0.86

The markets remain steady with but little doing. Very few parcels of wheat have been offered at the mills or to store since last week, and there seems prevalent a dispo-sition to hold on. We heard of the purchase of 1,000 bushels of the old crop of 1856, at \$1,50. The eastern markets which last week showed a dispo-

sition to improve in prices, have slightly retrograded, and we now see but little if any improvement. The telegraph quotations for the several grades of flour

The Economist noticing the advance quoted last week, says: "The demand is confined to the east, and the local trade. The receipts continue light, but the stock is ample for all, or at least the present wants." This indicates that we shall have the market all to ourselves till navigation opens. In his last circular, Edward Bill, grain broker remarks, "The export trade to England has quite ceased, no clearances having been made to Liverpool, and 10 bbls only to London, since the 21st of December last. The market for wheat continues to improve, the article being offered only at rates much above the views of millers. There is but little doing, and the trade rules of miliers. There is but into doing, and the trace rices quiet. Indian Corn is without material change; the stock of Old Western is firmly held, the Southern, and Jersey new sells on arrival, for immediate use."

Corn fluctuates a little, if the weather is good and the

roads are such that travel is accommodated, corn goes down a few cents; if the roads are soft, corn goes up.—
There has been about 1,000 bushels per day sold to the Canadian trade at 75 to 77 cents. Corn that comes for

ward in wagons in the ear sells at 72 to 75 cents.

Onts continue very scarce, and but few to be had; prices ranging from 55 to 60 cents, and for good samples from ces ranging from 50 to 90 cents, and 10 good samples from wagons of heavy grain, five shillings have been paid.

Barley is in request, that is to say, good samples are much wanted for malting. A medium lot, of middling quality sold at \$1.80 per 100 lbs., and \$1.90 would be paid for choice samples.

#### Live Stock, &c.

Article. Detroit.		New York.		
Cattle on foot, 1st quality, do medium, Beef in carcase, Sheep, Mutton in Carcase,	0.3 @ 0.8½ 0.8½@ 0.4½ 3.00 @5.00 0.4 @ 0.4½	0.4 % @ 0.5 0.5 @ 0.7 8.75 @5.50 0.5 @ 0.7		
Hogs over 250 fbs,	7.00 @7.25 0.5 @ 0.53 1.50 @2.00	7.50 @7.75 7.00 @7.25 5.84 @7.00		

There have been but few, if any purchases of live stock this week. The butchers supplied themselves so well last week, that they have not yet had time to sell out. Pricos under the reports of the New York market remain firm, and with no material change here. There have been a large number of herds taken through this city on their way eastward. A portion of these have city on their way eastward. A portion of these have n in very good order, but a larger portion have been

At Albany the accounts of sales show a slight advance,

Premium	.616c
Extra	6@6%c.
First quality	5@5%c.
Second quality	4% a5c.
Third quality	41/4a41/c
Inferior quality	31/43%c.
Bome Kentucky cottle in fine order sold th	OTO at 0112

per head; their weight being 1750 pounds each.

Some Ohio cattle weighing 1825 pounds each sold at

\$76.00, whilst a lot from Canada weighing only 1200 lbs.

\$76.00, whilst a lot from Canada weighing only 1200 lbs. each, sold at \$50.00 per head.

The number of sheep going forward is small, and we note that the arrivals of sheep at Albany and Now York are much less than for the same time last week, at Albany there being nearly 3,000 of a difference. The prices are consequently firm and the average per head is \$5.14. The market for mutton and sheep remains the same as for last week. We noted several carcases of dressed mutans add verteadly at 4 cents.

Nor has week. We note several carcases of dressed mut-ton sold yesterday at 4% to 5 cents per 10. per side. We saw some small hogs selling in market at \$6.75 and \$7.00. The high prices have slightly declined as they could not be maintaied.

The wool market remains quiet here, and there is much less disposition to go beyond the highest rates quoted last week than there has been. Dealers are awaiting the particulars of the large sale that was to be made in Boston on the 24th, as that will be a guide for the future operations. It seems to be a general opinion that prices have reached the topmost ring of the scale.— We are not prepared to say they have not. The latest news from the English markets show that prices have receded a little. The following on this subject is taken from the circular of John L. Bowes & Bro's circular of

Jan. 18th, Liverpool:
During the last few weeks the unsettled state of political affairs on the Continent has caused a little hesitation and quietness in some branches of the Wool trade, and at Bradford the value of Domestic Beeces has, in some instances, receded ½d. to 1d. per B., but Foreign kinds of the Merino class, also some coarse descriptions, have in the same period been in active demand, and advanced about 1d. per B. The general position of the market remains unaltered, viz., a large consumption and moderate stocks.

mains unaltered, viz., a large consumption and moderate stocks.

At the Public Sales, which commenced here 18th inst. and terminated yesterday, 15,271 bales East India and 10,372 bales other kinds were offered, and attracted a large attendance of buyers; upon the whole competition has been remarkably steady, particularly from Home consumers, the Exporters taking a smaller proportion than usual. Compared with our October sales prices of East India show an average advance of ½d to 1d, per fb.—some parcels of good quality and extra length of staple improving 1½d, per fb., while inferior and short grow only advanced ½d, per lb. 263 bales Australian defew small parcels of fine Buenos Ayres sold with spirit at 1d. per fb., higher than the London December sales.

The N. Y. Economise remarks in relation to the New York market:

The N. Y. Economist remarks in relation to the New York market:
Since the sales reported in our Wednesday's issue there has been nothing done from first hands, but among dealers the transactions we understand, have, been quite large, the particulars of which are withheld from the public. Prices of all descriptions continue firm, but are without buoyancy, it being suposed by those well informed, that prices have reached the top.

Poultry is coming into market freely, and there may be seen a large supply hanging up in the market every

day. Dealers are now giving \$9 per 100 pounds for Tur day. Dealers are now giving av per 100 pounds for Tur-keys, in good condition, and chickens bring 25 ets each. There is now and then small lots of game offered, but at present there is no steady supply or demand. Clover seed is not in such good demand as it was some weeks since, and some of the operators in the article

weeks since, and some of the operators in the article complain that they got their fingers in the machine and got squeezed. The demand for Southern supply is more quiet. Seed is now selling at \$6.00@6.12% per bushel. The home demand is very light, and buyers for our own The home demand is very light, and objects for our own trade are not anxious to make purchases, believing the price too high. Timothy remains steady and unchanged. First rate quality retails at 2.25. Red Top \$1.50@1.75. Eggs are coming in more freely, and are now bought at

From 14 to 15 cents per dozen by the quantity,
Butter keeps steady at the same rates heretofore quo
ted; it is plenty and demand not good.

Good country cheese sells at prices ranging from 7 to 9 cents, according to quality. Of the article the supply is

not very great. Potatoes of the good fair common sorts, such as Wes tern Reds, Merinos and Round Pinkeyes, bring from 65 to 70 cents. First quality white Chenangos and Mercers bring 75 cents, and the prospects are that they will be

worth more.

Beans are coming in freely; we saw two wagon loads offering for sale yesterday, and for which only \$1.00 per bushel was offered. Very prime navy beans have sold at \$1.25.

Apples remain steady at the prices heretofore given, but we have not noted any offering in the market for many days, and the stock here does not seem to be very large. Good winter apples, well put up in barrels, will readily bring over \$4.00, but without actual sales we can

# AMERICAN WEEDS USEFUL PLANTS,

AGRICULTURAL BOTANY,
By W. DARLINGTON, M. D., West Chester, Pa.,
with additions by George Thurrer, New York.
A History and Description of all plants injurious or
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nearly AGRICULTURAL BOTANY,

THREE HUNDRED ILLUSTRATIONS.

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Which now infest our farms have, with few exceptions, been introduced from abroad; and being at first unnoticed, have spread from farm to farm until

IT NOW COSTS THE FARMERS OF AMERICA
MILLIONS OF DOLLARS

will will of the set o

### SEEDS! SEEDS!!

OUR Descriptive Priced Catalogue of Vegetable and Agricultural Seeds for 1850 is now ready for mailing to applicants enclosing a one cent stamp.

M. THORBUKN & CO.,

Seed Warehouse, 15 Johnst, New York.

N. B. A Catalogue of Tree and Shrub Seeds will be published shortly and mailed as above, containing directions for managing evergreen seeds, &c.

6-Sw

#### DAINES' AMERICAN DRAIN TILE MAKER. The Best and Cheapest Tile Machine in

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Ky., 1857.

The TILE MACHINE invented by JOHN DAINES, of Birmingham, Oakland county, Michigan, is now being manufactured in the most thorough manner, and is offered to the farming community as the

#### Cheapest, Most Labor-Saving and Most Complete Invention,

and enabling farmers to make their own Tiles, that has yet been put before the Agriculturists of the United States, at a reduced price.

These machines are made of iron, are easily worked, any man being able to manufacture a first rate article after a few bows practice.

These machines are made of iron, are easily worked, any man being able to manufacture a first rate article after a few hours practice.

They cost delivered in Detroit, only \$100. They have two dies, for three and four inch tile; and extra dies to accompany the machine cost \$2.00 each.

These machines will manufacture per day, according to the force employed, from \$250 TO 250 RODS OF HORSESHOE OR PIPE TIEE. The machine weight but 500 pounds, and can be packed and sent to any part of the United States, or to foreign countries, as easily as a piano. With this machine, any farmer who has a fair quality of clay on his farm, can manufacture his own Tiles at a cheap rate, and easily save the price of the machine by avoiding the cost of transportation. The machine when in operation, takes up no more room than an ordinary sized kitchen table; it may be worked by two or three men as may be found most convenient and economical, or a man and two boys can keep it in full operation.

For Simplicity, Durability, Economy, Cheapness, and amount of work, this Tile Maker Challenges

this Tile Maker Challenges
the World!

At the present time, when thorough draining has become a necessity on alluvial lands, it offers the simplest and cheapest means of furnishing farmers with a draining material far superior to any other material now used for that purpose.

Applications for these machines may be addressed to
JOHN DAINES,
9-tf
Birmingham, Mich.

# SEEDS: SEEDS: SEEDS:

THE Subscribers have on hand and for sale at wholesale and retail, a large and complete assortment of
Garden, Flower and Field Seeds, obtained from the
most reliable sources, both in this country and Europe.
Of the growth of 1858, good and true to their marks.—
Farmers, gardeners and others in want of Seeds of almost
any kind, can obtain from us those that will give entire
satisfaction.

Catalogues may be held an application at our story 168.

sati-faction.

Catalogues may be had on application at our store, 166
Woedward Avenue, or by mail.

M. T. GARDNER & CO., Seedsmen.
Detroit, Feb. 24, 1859.

9-Sw

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FLOWER SEEDS.

A very large assortment of Flower Seeds, annual and perennial, of the choicest varieties, put up in papers, with printed descriptions, for sale at five cents each, or at fifty cents per dozen papers. Catalogues furnished free. Orders, accompanied with the cash, for one dozen, or more papers selected by the purchaser will be forwarded by mail, postage prepaid, by

M. T. GARDNER & CO., Seedsmen,
166 Woodward Avenue, Detroit,
9-8w

HUNGARIAN GRASS, Millet, Chinese Sugar Cane, Clover, Timothy, Red Top, Blue Grass and Orchard Grass Seeds. Peas, Early and late varieties.—Sweet Corn, Stowell's Evergreen Corn. Garden Beans, bush and pole of many kinds. For sale in quantities to suit by M. T. GARDENER & CO., Seedsmen. Detroit, February 24, 1859.

SHORT, MONTHER CONTROL OF SERVICE AND ASSESSED SERVICES.

Detroit, February 24, 1859.

Detroit, February 24, 1859.

SHORT HORNS FOR SALE. I hereby offer for sale several head of young full blood Shorthorn stock, bred from my buil LENOX, to which was awarded the first premium of the State Agricultural Society in 1855. For further particulars address, D. M. UHL. 7-2m



FOR SALE

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#### PEABODY'S PROLIFIC CORN! A NEW VARIETY.

It grows from three to ten ears on a stalk. Six ears planted by John W. Shaw, last year, produced one hundred bushels of sound corn. This Corn was originated by a careful scientific cultivator on Long Island. It comes up stout and is more forward than common corn. Plant two kernels in a hill, four feet apart each way.

PRICE—Fifty cents per quart, or Fifteen cents per ear.

#### **HUNGARIAN GRASS SEED!** 100 BUSHELS FOR SALE.

This justly celebrated Grass Seed has been raised for two years in Iowa and Wisconsin, and to some extent in Illinois and Michigan, the past season. All who have raised it, invariably bear testimony to its unprecedented yield. In some cases as high as seven, and rarely under four tons to the acre of a most healthy and nutritious Grass. It yields from 25 to 40 bushels of seed to the acre, which makes good feed for horses and cattle. They not only eat it with great relish, but it keeps them in a more healthy and better condition than any feed yet tried.

PHICE--\$3 per bushel.

#### PRICE--\$3 per bushel.

We subjoin the following

. Testimonials:

Testimonials:

Ottuwa, Jona, 22, 1858.

To whom it may concern:—This is to certify that crops of Hungarian Grass were entered for premiums at our Agricultural Fair last fall, varying from five to over seven tons to the acre of hay, and thirty-seven bushels to the acre of seed, and affidavits were made to the same. This section of country was visited by severe drouth the fore part of last season, so that the crop of Timothy was scarcely worth harvesting, yet the Hungarian was good, averaging not less than four tons to the acre throughout the country. Its qualities for feeding are spoken of in high terms by all who have used it.

Sacretary of Wapello Co. Agricultural Society.

Saling Mich., Jan. 1859.

Samuel Robinson.

Saline, Mich., Jan. 1859.

Mr. J. J. Lyon, Sir:—In reply to your question asking "how I like the Hungarian Grass," I will say that it is the best thing I have ever raised for feeding stock, and I shall not raise any other hay hereafter. It cannot be too highly recommended.

Your,

SAMUEL ROBINSON.

Mr. Irwin Peck, of Ypsilanti, says that "Farmers had better plough up their Timothy meadows and sow the Hungarian Grass, as ten acres of it is worth more for stock purposes than twenty acres of any other hay."—Farmers who have raised it, unite in giving the same testimony relative to its merits, as do Messrs. Robinson and Peck.

Peck.
This unrivalled Grass has been raised in several coun-This unrivation Grass has been raised in several counties in the State of Michigan, the past season, by some of the most extensive Farmers in the State, who recommend it as surpassing all other crops for stock purposes. Some have raised as high as four tons of excellent hay and thirty bushels of seed to the acre, although the season was very unfavorable for it. Try it, Farmers, one and all, and you will never regret it. Sow at any time between April 1st, and July, at the rate of one bushel to three acres.

three acres.

The few farmers named below, are among the many who have raised it, and can testify as to its qualities:

I. & J. Peck, Ypsilanti; S. Howell, Saline; Mathew Howell, Saline; Samuel Robinson, Saline; P. & Zeno, Comstock, Raisin; I. Vanakin, Ypsilanti; J. B. Lapham, Manchester; D. D. Tooker, Napoleon; S. A. Cady Wayne; A. Gulley, Wayne; L. Terrill, Plymouth; A. Cook, Plymouth.

# BLOSS & CO., No. 22 Monroe Avenue, Detroit.

IMPORTED JOHN O'GAUNT THE Subscriber will keep the imported bull JOHN O'GAUNT for services at his farm near Northville, Wayno Co., Mich., during the present season. Terms \$10 per cow for a season of three months for a limited number. M. L. BROOKS. Northville, Mich., Feby 16, 1859.

PEDIGREE.—John O'Gaunt was sired by John O'Gaunt of the celebrated herd of J. S. Tanqueray, Eng., his dam being Romelia, imported from the same herd by L. G. Morris of Mt. Fortham. For the pedigree at full length see No. 90 Michigan Stock Register.

#### Horse Powers, Threshers and Cleaners !

L Horse (tread) Powers, Pense's Excelsior Powers, Corn and Cob Mills, Corn Mill and Feed Mills, Flour Mills, Cross-cut and Circular Saw Mills, Leonard Smith's Smut Machines, D. O. & W. S. PENFIELD, No. 103 Woodward Ave., Detroit,

# INDEPENDENCE.

THIS fine young improved shorthorn bull will be kept for service during the season at the farm of the subscriber at Geddesburgh, about four miles from Ann Arbor, on the river road leading to Ypsilanti.

Independence was two years old last 4th of July, is a deep red in color, beautifully proportioned, perfectly sound in every particular, and his pedigree shows him of a clear fear from the best imported stock. (See Michigan Furmer for 1839, No 1. Stock Register No. 73.)

For further particulars inquire of E. M. DEFOREST. Geddesburgh, Dec., 15, 1359.

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Plaster, Coal, Water and Stone Lime. Storage and Commission. Warehouse near Rail Road depot. Battle Creek,
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(D. B. BURNHAM,

WHITE GRAPE CURRANT BUSHES.

Two years old, 1s. 6d. each or \$10.00 per hundred

3-3m HUBBARD & DAVIS, Fort-st., Detroit,

BULL FOR SALE OR TO LET. THE Subscriber offers for sale the young Shorthorn thoroughbred buil THORNBULY.

Bred by D. Brooks of Livingston Co., N. Y. Sired by imported John O'Gaunt, and out of Lilly of the Valley by Oregon; Molly 3d, by Old Splendor;—Molley 2d by imported Cadmus;—Molly imported by Mr. Delancy.

Terms either to let or purchase, will be reasonable. Address

Northville, Mich., Feby 16,1859.

M. L. BROOKS.

8-1m MICHIGAN SOUTHERN

DETROIT, MONROE and TOLEDO RAIL ROAD.

1859, WINTER ARRANGEMENT, 1859.

ON and after Monday February 7th, 1859, until further notice Passenger Trains will run as follows: From Detroit for Cleveland, Cincinnati, New York, Adrian and Chicago at 1.00 P. M. and 4.35 P. M. From Cleveland for Detroit at 11.40 A.M. and 8.00 P.M. "Toledo "7.50 A.M. 5.00 P.M. "5.00 P.M. "6.00 P.M. "1.00 A.M. 4.40 P.M. Trains arrive at Detroit from Chicago, Adrian, Clevelaud and Toledo, at 12.20 P.M and 8.00 P.M.

Trains arrive at Detroit from Canada.

Trains arrive at Detroit from Canada.

CONNECTIONS:

The 1.00 P.M. train from Detroit connects at Toledo with the Express Train for Chicago, reaving Toledo at 4.45 P.M., also at Adrian with the same Train, arriving in Chicago at 4.30 A.M.

The 4.35 P.M. Train connects at Toledo with the Express Train over the Air Line, leaving Toledo at 12.50 A. M., arriving in Chicago at 11.45 A. M.

Sleeping cars accompany the 4.45 P.M. Train from Toledo and 8.00 P.M. Train from Chicago.

JNO. D. CAMPRELL,

Superintendent.

3 cont. Detroit.

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Detroit, January 1859, [15] m23

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Nepoleon, Jackson Co., Mich., Feb. 1859.



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Hartford, Trumbull Co., O., Cec. 1st, 1858.

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